

# PEL-2000B Series

Programmable D.C. Electronic Load



# **FEATURES**

- Sequence Function to do High Speed Load Simulations
- Flexible Configuration with Mainframes and Plug-in Modules
- Multiple Independent Load Inputs up to 8 Channels in a Mainframe
- Parallel Connection of Inputs for Higher Load Capacity
- Program Mode to Create Work Routines for Repetitive Tests
- OPP/OCP/OVP/OTP/RVP/UVP Protections
- External Channel Control/Monitoring via Analog Control Connector
- Multiple-Interface USB Device/Host, RS-232C/RS485, LAN and GPIB(optional)



The PEL-2004B and PEL-2002B are multiple channel, programmable DC electronic loads with a modularized structure. The PEL-2000B Series is designed to meet the continuing shift toward high speed operation in today's semiconductor market. As the power supply units, DC-DC converters, and batteries that drive semiconductor circuits need to follow this shift, power supply design, quality inspection and characteristic certification using high-speed performance loads have become necessary. The PEL-2000B Series includes two types of mainframes and 4 types of load modules to accommodate users' requirements in a flexible manner. Any load module combination can be used with a mainframe to tailor a test system based on the number of channels, and the maximum load power, voltage and current of each channel. Multiple loads can be connected in parallel to provide a higher-power load to test higher power supply outputs. This flexibility significantly reduces the investment needed for future projects that have differed power requirements.

PEL-2004B is a 4-slot mainframe with a master control unit to hold 4 load modules, while PEL-2002B is a 2-slot mainframe with master control unit to hold 2 load modules. When PEL-2004B is configured with 4 load modules rated at 350W each, the PEL-2000B series is able to sink up to 1.4kVA of power.

For higher load capacities, mainframes can be linked together in parallel with standard MIL 20-pin connectors. A maximum of 5 mainframes, including one master and 4 slaves can be chained together to create a total load capacity of 7kW for high current and high power applications. Using 4 dual channel load modules, PEL-2004B is able to test 8 power supply outputs simultaneously.

The Sequence function allows each channel to change its load sink according to a predefined sequence at a rate of up to  $100\mu$ s per step. Each sequence is able to run concurrently, under the control of one clock. This is one of the most powerful features of the PEL-2000B Series as it is able to realistically simulate a multi-output power supply load. Under Dynamic mode, the load current or load resistance pulses between two preset levels at a pre-defined speed up to  $25\mu$ s per step. This is often used as the standard test procedure to verify the response of a power supply to quick load changes. Most remarkably, multiple load channels can be connected in parallel to run Dynamic tests synchronously under a single clock. This Parallel Dynamic functionality gives the flexibility to perform dynamic tests for a high-power power supply without the need of another high-power load.

The PEL-2000B Series includes a number of protection modes: Over Current Protection (OCP), Over Voltage Protection (OVP), Over Power Protection (OPP), Reverse Voltage Protection (RVP), and Under Voltage Protection (UVP). The protection modes are useful to protect both the load modules and the DUT(s). A buzzer can be set for when a protection setting has been tripped. When a protection mode has been tripped, the load unit will display an alarm and stop sinking current/voltage. When a load unit is operating in CR or CV mode, the unit may need Over Current Protection to prevent excessive current being sunk. Over Current Protection stops the load from sinking more current than its recommended limit and prevents the load from burn-out damage. Over Voltage Protection is used to limit the amount of voltage sunk. If the OVP trips, the PEL-Series load will stop sinking voltage. Over Power Protection is used when the input power exceeds the specifications of the load. When OPP is tripped, the power will cease to be sunk. Reverse Voltage Protection prevents reverse voltage damage to the PEL-2000B Series up to the specified rating. When Reverse Voltage Protection has been tripped, an alarm tone will sound until the reverse voltage is removed. Under Voltage Protection will turn off the load when the voltage drops below a set limit.

The Go/NoGo function is available to monitor test results all the time. When a test result goes beyond a preset limit range, a "No Go" indication will be shown on the display and a "No Go" signal can be sent out through the D-SUB interface for external device control. This Go/NoGo function is available for CC mode, CV mode and CR mode. Under "Program" mode, 12 programs each containing 10 panel-setup memories, can be edited to create work routines for repetitive tests. After a program has been executed, the results of all test steps, along with the Go/NoGo judgments, will be shown on the screen. For external control and system configuration, the PEL-2000B Series has USB, RS-232C/RS-485 and LAN interfaces as standard and GPIB as an option. The LabView driver and Data Logging PC software are both supported for all the available interfaces. Each channel has an analog control/monitoring connector on the rear panel to externally turn a load on/off and to externally monitor load input current and voltage.

# PANEL INTRODUCTION



#### **Modularized Structure**

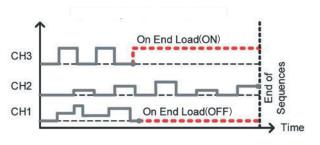
PEL-2004B is a 4-slot mainframe with a master control unit made to hold 4 load modules, and PEL-2002B is a 2-slot mainframe with a master control unit made to hold 2 load modules. The modularized structure of the PEL-2000B Series allows any combination of mainframe and load module (PEL-2020B, PEL-2030B, PEL-2040B, PEL-2041B) to be integrated into a custom-tailored system.

Multiple loads within the same mainframe can be connected in parallel to perform both static and dynamic tests. This flexibility makes the PEL-2000B Series a very cost-effective instrument for testing a broad range of power supply outputs.

#### Program & Interface

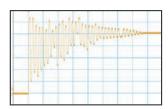
The PEL-2000B Series supports a total of 12 different programs and 10 sequences to each program. With a total of up to 120 different configurations. For external control and system configuration, the PEL-2000B Series has USB, RS-232C/RS-485 and LAN interfaces as standard and GPIB as an option. The LabView driver and Data Logging PC software are supported for all the interfaces available. Each channel has an analog control/monitoring connector to externally turn a load on/off and to externally monitor load input current and voltage.

# **AUTOMATICALLY SEQUENCE FUNCTION**



Sequence - On End Load

The Sequence function allows each channel to change its load sink according to a predefined sequence at a rate of up to  $100\,\mu s$  per step. Each sequence is able to run concurrently, under the control of one clock. This is one of the most powerful features of the PEL-2000B Series as it is able to realistically simulate a multi-output power supply load. Under Dynamic mode, the load current or load resistance pulses between two preset levels at a pre-defined speed up to  $25\,\mu s$  per step. This is often used as the standard test procedure to verify the response of a power supply to quick load changes.



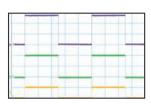
The figure above shows the current waveform of a simulation using the sequence function.

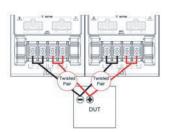
The picture above is an example of a sequence used as a load profile for a single output switching power supply. A load profile is programmed to simulate the current drawn of a power supply load.

By using a current probe to acquire a current waveform, PEL-2000B is

By using a current probe to acquire a current waveform, PEL-2000B is able to evaluate the performance of a power supply based on the load sequence that is programmed. An oscilloscope is then used to display the result.

# PARALLEL DYNAMIC LOADING



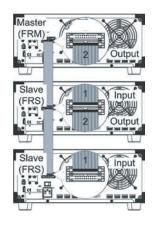


**Dynamic Test** 

Wire Connection

All the load channels in a PEL-2000B mainframe can be connected in parallel to perform any combination of static or dynamic loading. Under Dynamic mode, the load current or load resistance pulses between two preset levels at a predefined speed of up to  $25\,\mu s$  per step. When the channels are connected in parallel, dynamic tests are synchronously clocked. The ability to perform parallel dynamic loading gives you the flexibility to perform dynamic tests to high-power power supplies without the need for a dedicated high power electronic load.

# D. FRAMELINK



The PEL-2000B Series allows multiple mainframes to be linked together with standard MIL 20-pin connectors to provide higher power load capacity. A maximum of 5 mainframes, including one master and 4 slaves, can be chained together to give a 7kW load capacity for high current and high power applications

### **OCP TEST AUTOMATION FUNCTION**

OCP is one of the basic protection functions for power supply products. Hence, a fully automatic test function of electronic load is designed for testing OCP function of the output terminal of power supply products.

#### I. BENEFITS

Provide users with high resolution OCP measurement values to verify DUT's OCP activation point. Provide users with measurement results so as to help them determine whether DUT's actual OCP activation point meets the regulations.

**DUT: Power Supply** 

OCP Verification Specification: 3A (ideal)±0.1%

Actual Measurement : DUT1 : 3.000A

DUT2: 2.999A DUT3: 3.000A

Test the value of OCP by setting load current increment from start current to stop current. OCP's activation point can be accurately measured.

### II. FEATURES OF PARAMETER SETTINGS (This mode can only be used under CC mode)

#### **Parameters**

Active Channel: Applies the setting to the load channel.

Range: High(CC Mode High) or Low(CC Mode Low)

Start Current(Start C): Starting current value for the test.

End Current (End C): The current value that will end the test. The value must be higher than the OCP value of the DUT you are testing.

Step Current(Step C): Sets the step resolution of the current.

Last Current (Last C): Sets the final current value after OCP has been tripped. This is the steady-state current draw after the OCP has been tripped.

Step Time(Step T): Sets the execution time of each step. (50ms to 1600s)

Delay Time(Delay): The OCP testing delay time. Sets the how long to delay starting the test after the Load On key has been pressed.

(5ms ~ 160ms)

Trig Voltage(Trig V): Sets the voltage trigger level needed see whether the power supply OCP has been triggered.







Waveforms Corresponding to Parameters



Parameter Settings



Result: Final DUT Output Status Before Entering OCP

# III. GENERAL MEASUREMENT & HIGH RESOLUTION MEASUREMENT

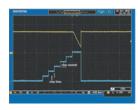
## GENERAL MEASUREMENT (STEP\_C → 0.5A)

DUT: OCP specification 3A

Set test current from 0A to 4A and each current increment of 0.5A for 0.5 seconds. When DUT's voltage drops to 9V for over 0.5 seconds, it is determined as OCP status.



Parameter Settings



Actual Waveforms (ch1:Voltage of DUT;ch2:Current of DUT)



Result: Final DUT Output Status Before Entering OCP

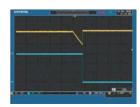
# HIGH RESOLUTION MEASUREMENT (STEP\_C → 0.001A)

DUT: OCP specification 3A

Set test current from 2.9A to 4A and each current increment of 0.001A for 0.5 seconds. When DUT's voltage drops to 9V for over 0.5 seconds, it is determined as OCP status.



Parameter Settings



Actual Waveforms (ch1:Voltage of DUT;ch2:Current of DUT)



Result: Final DUT Output Status Before Entering OCP

	SPECIFICATIONS		DEL-2020B/100\Y/~2\		PEL-2030B(250W/30W)				040B	PEL-2041B		
CHANNEL		PEL-2020B(100Wx2)		<u> </u>				PEL-2040B				
CHANNEL		L/R L/R		Left		Right Right		one channel one channel		one channel one chann		
RANGE		LOW	HIGH	N/.		LOW	HIGH	LOW	HIGH	LOW	HIGH	
POWER		100W	100W	30\		250W	250W	350W		350W		
CURRENT		0~2A 0~20A		0~5A		0~4A	0~40A	0~7A 0~70A		0~1A	0~10A	
VOLTAGE		0~8	30V	0~		~80V		0~80V		0~500V		
MIN.OPERATING VOLTAGE(dc)(Typ.)		0.4V at 2A	0.8V at 20A	0.8V a	t 5A	0.4V at 4A	0.8V at 40A	0.4V at 7A 0.8V at 70A		1V at 1A 2V at 10A		
		0.2V at 1A	0.4V at 10A	0.4V at	2.5A	0.2V at 2A			0.2V at 3.5A 0.4V at 35A		1V at 5A	
STATIC MODE						•	•				•	
CONSTANT CUR	RRENT MODE											
	Operating Range	0~2A	0~20A	0~5	A	0~4A	0~40A	0~7A	0~70A	0~1A	0~10A	
	Setting Range	0~2.04A	0~20.4A	0~5.		0~4.08A	0~40.8A	0~7.14A	0~71.4A	0~1.02A	0~10.2A	
		0.1mA	1mA	0.125		0.1mA		0.2mA	2mA	0.05mA	0.5mA	
	Resolution			0.123	ma	+	1mA					
	Accuracy	±(0.1%set +	±(0.1%set +	±(0.1%set + 0.1%F.S)		±(0.1%set +	±(0.1%set +	±(0.1%set +	±(0.1%set +	±(0.1%set +	±(0.1%set +	
	· ·	0.1%F.S. <sup>*1</sup> )	0.2%F.S.)	_(,		0.1%F.S <sup>*1</sup> )	0.2%F.S)	0.1%F.S <sup>*1</sup> )	0.2%F.S)	0.1%F.S <sup>*1</sup> )	0.2%F.S)	
CONSTANT RES	ISTANCE MODE											
	Operating Range	Operating Range 0.075Ω~300Ω(100W/16V)		0.3Ω~1.2kΩ(30W/16V)		0.0375Ω~150Ω(250W/16V)		0.025Ω~100Ω(350W/16V)		1.25Ω~5kΩ(350W/125V)		
	3.75Ω~15kΩ(100W/80V)		15Ω~60kΩ(30W/80V)		1.875Ω~7.5kΩ(250W/80V)		1.25Ω~5kΩ(350W/80V)		50Ω~200kΩ(350W/500V)			
	Carriera Barrera	0.075Ω~300Ω(100W/16V)		0.3Ω~1.2kΩ(30W/16V)		0.0375Ω~150Ω(250W/16V)		0.025Ω~100Ω(350W/16V)		1.25Ω~5kΩ(350W/125V)		
	Setting Range	3.75Ω~15kΩ(100W/80V)		15Ω~60kΩ(30W/80V)		1.875Ω~7.5kΩ(250W/80V)		1.25Ω~5kΩ(350W/80V)		50Ω~200kΩ(350W/500V)		
		0.333mS(100W/16V)		83.333µS(30W/16V)		0.666mS(250W/16V)		1mS(350W/16V)		20µS(350W/125V)		
	Resolution <sup>°1</sup>	Resolution 1 6.667µS(100W/80V)		1 \ / /		13.333µS(250W/80V)		20μS(350W/80V)		0.5μS(350W/500V)		
	A · *2			1.666µS(30W/80V)								
	Accuracy*2	<u> </u>		1.2kΩ : ±(0.2%set + 0.1S)		150Ω: ±(0.2%set + 0.1S)		100Ω : ±(0.2%set + 0.1S)		5kΩ : ±(0.2%set + 0.02S)		
	With≥2.5V at input	15kΩ: ±(0.19		60kΩ: ±(0.1%		/.5kΩ: ±(0.19	%set + 0.01S)	5kΩ: ±(0.1%	set + 0.015)	∠00kΩ: ±(0.19	%set + 0.005S)	
	iemens) is the unit of conductance,		ohm. *2 : Accuracy mi	ust be calculated in con	ductivity units.							
CONSTANT VOL	TAGE + CONSTANT CURREN	NT MODE										
	Operating Range	1~16V	1~80V	1~16V	1~80V	1~16V	1~80V	1~16V	1~80V	2.5~125V	2.5~500V	
	Setting Range	0~16.32V	0~81.6V	0~16.32V	0~81.6V	0~16.32V	0~81.6V	0~16.32V	0~81.6V	0~127.5V	0~510V	
	Resolution	0.4mV	2mV	0.4mV	2mV	0.4mV	2mV	0.4mV	2mV	2.5mV	10mV	
	Accuracy	±(0.05%set		±(0.05%set -			+ 0.1%F.S.)	±(0.05%set			+ 0.1%F.S.)	
	Current Setting Range	0~20.4A	0~2.04A	0~5.		0~40.8A	0~4.08A	0~71.4A	0~7.14A	0~10.2A	0~1.02A	
	Resolution	0~20.4A 1mA	0.1mA	0.125		1mA	0.1mA	0~71.4A 2mA	0~7.14A	0.5mA	0.05mA	
	RESOLUTION			0.123	mP.							
	Accuracy	±(0.1%set +	±(0.1%set +	±(0.1%set +	0.2%F.S.)	±(0.1%set +	±(0.1%set +	±(0.1%set +	±(0.1%set +	±(0.1%set +	±(0.1%set +	
	, i	0.2%F.S.)	0.1%F.S. <sup>*1</sup> )	*		0.2%F.S)	0.1%F.S <sup>*1</sup> )	0.2%F.S)	0.1%F.S <sup>*1</sup> )	0.2%F.S)	0.1%F.S <sup>*1</sup> )	
CONSTANT POV	WER MODE + CONSTANT CL	JRRENT MODE										
	Operating Range	1~10W	1~100W	1~30	)W	1~25W	1~250W	1~35W	1~350W	1~35W	1~350W	
	Setting Range	0~10.2W	0~102W	0~30.	.6W	0~25.5W	0~255W	0~35.7W	0~357W	0~35.7W	0~357W	
	Resolution	1mW	10mW	1m'	W	1mW	10mW	1mW	10mW	1mW	10mW	
		±(0.5%set +	±(0.5%set +					±(0.5%set +	±(0.5%set +	±(0.5%set +	±(0.5%set +	
	Accuracy	0.5%F.S <sup>*1</sup> )	0.5%F.S)	±(0.5%set +	- 0.5%F.S)	±(0.5%set -	+ 0.5%F.S <sup>*1</sup> )	0.5%F.S*1)	0.5%F.S)	0.2%F.S*1)	0.5%F.S)	
	Current Setting Range	0~2.04A	0~20.4A	0~5.	1.0	0~4.08A	0~40.8A	0~7.14A	0~71.4A	0~1.02A	0~10.2A	
				0.125								
	Resolution	0.1mA	1mA	0.123	MA	0.1mA	1mA	0.2mA	2mA	0.05mA	0.5mA	
	Accuracy	±(0.1%set +	±(0.1%set +	±(0.1%set +	0.2%F.S.)	±(0.1%set +	±(0.1%set +	±(0.1%set +	±(0.1%set +	±(0.1%set +	±(0.1%set +	
	· ·	0.1%F.S. <sup>*1</sup> )	0.2%F.S.)	, ,		0.1%F.S <sup>*1</sup> )	0.2%F.S)	0.1%F.S <sup>*1</sup> )	0.2%F.S)	0.1%F.S <sup>*1</sup> )	0.2%F.S)	
	= Full scale of H Range											
NOTE : *1 : F.S.	U											
	E	0.025ms ~ 10	ms / Res : 1µs		0.025ms ~ 1	0ms / Res : 1μs		0.025ms ~ 10	ms / Res : 1µs	0.025ms ~ 10	ms / Res : 1µs	
			ms / Res : 1µs / Res : 1ms			Oms / Res : 1µs			ms / Res : 1µs / Res : 1ms		ms / Res : 1µs	
	T1&T2	10ms ~ 30s	/ Res : 1ms		10ms ~ 30	Os / Res : 1ms		10ms ~ 30s	/ Res : 1ms	10ms ~ 30s	s / Res : 1ms	
DYNAMIC MOD	T1&T2 Accuracy	10ms ~ 30s			10ms ~ 30			10ms ~ 30s		10ms ~ 30s		
DYNAMIC MOD	T1&T2 Accuracy RRENT MODE	10ms ~ 30s 1μs / 1ms	/ Res : 1ms ± 100ppm	0.8 200	10ms ~ 30 1μs / 1m	0s / Res : 1ms ns + 100ppm	6.4. 1600mMus	10ms ~ 30s 1μs / 1ms	/ Res : 1ms ± 100ppm	10ms ~ 30s 1μs / 1ms	s / Res : 1ms s ± 100ppm	
DYNAMIC MOD	T1&T2 Accuracy RRENT MODE Slew Rate	10ms ~ 30s 1μs / 1ms 0.32 ~ 80mA/μs	/ Res : 1ms ± 100ppm	0.8 ~ 200	10ms ~ 30 1μs / 1m 0mA/μs	0s / Res : 1ms us + 100ppm 0.64 ~ 160mA/μs	6.4 ~ 1600mA/μs	10ms ~ 30s 1μs / 1ms 0.001 ~ 0.28A/μs	/ Res : 1ms ± 100ppm 0.01 ~ 2.8A/μs	10ms ~ 30s 1μs / 1ms 0.16 ~ 40mA/μs	s / Res : 1ms s ± 100ppm	
DYNAMIC MOD	T1&T2 Accuracy RRENT MODE Slew Rate Slew Rate Resolution	10ms ~ 30s 1μs / 1ms	/ Res : 1ms ± 100ppm	0.8 ~ 200 0.8mA	10ms ~ 30 1μs / 1m 0mA/μs	0s / Res : 1ms ns + 100ppm	6.4 ~ 1600mA/μs 6.4mA/μs	10ms ~ 30s 1μs / 1ms	/ Res : 1ms ± 100ppm	10ms ~ 30s 1μs / 1ms	s / Res : 1ms s ± 100ppm	
DYNAMIC MOD	T1&T2 Accuracy RRENT MODE Slew Rate Slew Rate Resolution Slew Rate Accuracy of	10ms ~ 30s 1μs / 1ms 0.32 ~ 80mA/μs 0.32mA/μs	/ Res : 1ms ± 100ppm 3.2 ~ 800mA/µs 3.2mA/µs	0.8m/	10ms ~ 30 1μs / 1m 0mA/μs λ/μs	0s / Res : 1ms is + 100ppm 0.64 ~ 160mA/µs 0.64mA/µs	6.4mA/μs	10ms ~ 30s 1μs / 1ms 0.001 ~ 0.28A/μs 0.001A/μs	/ Res : 1ms ± 100ppm 0.01 ~ 2.8A/μs 0.01A/μs	10ms ~ 30s 1μs / 1ms 0.16 ~ 40mA/μs 0.16mA/μs	6 / Res : 1ms 5 ± 100ppm 1.6 ~ 400mA/μ 1.6mA/μs	
DYNAMIC MOD	T1&T2 Accuracy RRENT MODE Slew Rate Slew Rate Resolution Slew Rate Accuracy of Setting	10ms ~ 30s 1μs / 1ms 0.32 ~ 80mA/μs	/ Res : 1ms ± 100ppm	0.8mA ±(10% +	10ms ~ 30 1μs / 1m 0mA/μs λ/μs - 15μs)	0s / Res : 1ms us + 100ppm 0.64 ~ 160mA/μs		10ms ~ 30s 1μs / 1ms 0.001 ~ 0.28A/μs	/ Res : 1ms ± 100ppm 0.01 ~ 2.8A/μs	10ms ~ 30s 1μs / 1ms 0.16 ~ 40mA/μs	s / Res : 1ms s ± 100ppm	
DYNAMIC MOD	T1&T2 Accuracy RRENT MODE Slew Rate Slew Rate Resolution Slew Rate Accuracy of Setting Current Setting Range	10ms ~ 30s 1μs / 1ms 0.32 ~ 80mA/μs 0.32mA/μs	/ Res : 1ms ± 100ppm 3.2 ~ 800mA/µs 3.2mA/µs	0.8mA ±(10% + 0~5.	10ms ~ 30 1µs / 1m 0mA/µs A/µs - 15µs)	0s / Res : 1ms is + 100ppm 0.64 ~ 160mA/µs 0.64mA/µs	6.4mA/μs	10ms ~ 30s 1μs / 1ms 0.001 ~ 0.28A/μs 0.001A/μs	/ Res : 1ms ± 100ppm 0.01 ~ 2.8A/μs 0.01A/μs	10ms ~ 30s 1μs / 1ms 0.16 ~ 40mA/μs 0.16mA/μs	6 / Res : 1ms 5 ± 100ppm 1.6 ~ 400mA/μ 1.6mA/μs	
DYNAMIC MOD	T1&T2 Accuracy RRENT MODE Slew Rate Slew Rate Resolution Slew Rate Accuracy of Setting	10ms ~ 30s 1μs / 1ms 0.32 ~ 80mA/μs 0.32mA/μs ±(10% + 15μs)	/ Res : 1ms ± 100ppm 3.2 ~ 800mA/μs 3.2mA/μs ±(10% + 15μs)	0.8mA ±(10% +	10ms ~ 30 1µs / 1m 0mA/µs A/µs - 15µs)	0s / Res : 1ms us + 100ppm 0.64 ~ 160mA/μs 0.64mA/μs ±(10% + 15μs)	6.4mA/µs ±(10% + 15µs)	10ms ~ 30s 1µs / 1ms 0.001 ~ 0.28A/µs 0.001A/µs ±(10% + 15µs)	/ Res : 1ms $\pm$ 100ppm $0.01 \sim 2.8 A/\mu s$ $0.01A/\mu s$ $\pm (10\% + 15\mu s)$	10ms ~ 30s 1µs / 1ms 0.16 ~ 40mA/µs 0.16mA/µs ±(10% + 15µs)	s / Res : 1ms s ± 100ppm 1.6 ~ 400mA/μ 1.6mA/μs ±(10% + 15μs)	
DYNAMIC MOD	T1&T2 Accuracy RRENT MODE Slew Rate Slew Rate Resolution Slew Rate Accuracy of Setting Current Setting Range	10ms ~ 30s 1μs / 1ms 0.32 ~ 80mA/μs 0.32mA/μs ±(10% + 15μs) 0~2.04A	/ Res : 1ms ± 100ppm 3.2 ~ 800mA/μs 3.2mA/μs ±(10% + 15μs) 0~20.4A 1mA	0.8mA ±(10% + 0~5.	10ms ~ 30 1µs / 1m 0mA/µs A/µs - 15µs) 1A mA	0s / Res : 1ms is + 100ppm 0.64 ~ 160mA/µs 0.64mA/µs ±(10% + 15µs) 0~4.08A	6.4mA/µs ±(10% + 15µs) 0~40.8A	10ms ~ 30s 1µs / 1ms 0.001 ~ 0.28A/µs 0.001A/µs ±(10% + 15µs) 0~7.14A	/ Res : 1ms ± 100ppm 0.01 ~ 2.8A/µs 0.01A/µs ±(10% + 15µs) 0~71.4A 2mA	10ms ~ 30s 1μs / 1ms 0.16 ~ 40mA/μs 0.16mA/μs ±(10% + 15μs) 0~1.02A 0.05mA	5 / Res : 1ms 5 ± 100ppm 1.6 ~ 400mA/ 1.6mA/µs ±(10% + 15µ: 0~10.2A	
DYNAMIC MOD	T1&T2  Accuracy  RRENT MODE  Slew Rate  Slew Rate Resolution Slew Rate Accuracy of Setting Current Setting Range Current Resolution	10ms ~ 30s 1μs / 1ms 0.32 ~ 80mA/μs 0.32mA/μs ±(10% + 15μs) 0~2.04A 0.1mA	/ Res : 1ms ± 100ppm 3.2 ~ 800mA/μs 3.2mA/μs ±(10% + 15μs) 0~20.4A 1mA	0.8mA ±(10% + 0~5.	10ms ~ 30 1µs / 1m 0mA/µs A/µs - 15µs) 1A mA	0s / Res : 1ms is + 100ppm 0.64 ~ 160mA/µs 0.64mA/µs ±(10% + 15µs) 0~4.08A 0.1mA	6.4mA/µs ±(10% + 15µs) 0~40.8A	10ms ~ 30s 1µs / 1ms 0.001 ~ 0.28A/µs 0.001A/µs ±(10% + 15µs) 0~7.14A 0.2mA	/ Res : 1ms ± 100ppm 0.01 ~ 2.8A/µs 0.01A/µs ±(10% + 15µs) 0~71.4A 2mA	10ms ~ 30s 1μs / 1ms 0.16 ~ 40mA/μs 0.16mA/μs ±(10% + 15μs) 0~1.02A 0.05mA	s / Res : 1ms ± 100ppm 1.6 ~ 400mA/ 1.6mA/µs ±(10% + 15µ: 0~10.2A 0.5mA	
DYNAMIC MOD	T1&T2  Accuracy  RRENT MODE  Slew Rate Slew Rate Resolution Slew Rate Accuracy of Setting Current Setting Current Resolution Current Accuracy  ISTANCE MODE	10ms ~ 30s 1µs / 1ms 0.32 ~ 80mA/µs 0.32mA/µs ±(10% + 15µs) 0-2.04A 0.1mA ±0.49	/ Res : 1ms ± 100ppm 3.2 – 800mA/µs 3.2mA/µs ± (10% + 15µs) 0-20.4A 1mA 6 F.S.	0.8mA ±(10% + 0~5.	10ms ~ 3( 1μs / 1m 0mA/μs λ/μs - 15μs) 1A mA	0s / Res : 1ms 1s + 100ppm 0.64 ~ 160mA/µs 0.64mA/µs ±(10% + 15µs) 0~4.08A 0.1mA	6.4mA/µs ±(10% + 15µs) 0-40.8A 1mA	10ms ~ 30s 1μs / 1ms 0.001 ~ 0.28A/μs 0.001A/μs ±(10% + 15μs) 0~7.14A 0.2mA ±0.49	/ Res : 1ms ± 100ppm 0.01 ~ 2.8A/µs 0.01A/µs ±(10% + 15µs) 0-71.4A 2mA 6 F.S.	10ms ~ 30s 1µs / 1ms 0.16 ~ 40mA/µs 0.16mA/µs ±(10% + 15µs) 0~1.02A 0.05mA ±0.45	1.6 ~ 400mA/ 1.6 ~ 400mA/ 1.6mA/µs ±(10% + 15µ: 0~10.2A 0.5mA	
DYNAMIC MOD	T1&T2  Accuracy  RRENT MODE  Slew Rate Slew Rate Resolution Slew Rate Accuracy of Setting Current Setting Range Current Resolution Current Accuracy  ISTANCE MODE  Slew Rate	10ms ~ 30s 1µs / 1ms 0.32 ~ 80mA/µs 0.32mA/µs ±(10% + 15µs) 0-2.04A 0.1mA ±0.49	/ Res : 1ms ± 100ppm 3.2 ~ 800mA/µs 3.2mA/µs ± (10% + 15µs) 0~20.4A 1mA 6 F.S.	0.8m/ ±(10% + 0~5. 0.125	10ms ~ 3( 1μs / 1m 0mA/μs λ/μs - 15μs) 1A mA ±0.4	0s / Res : 1ms 0s + 100ppm 0.64 ~ 160mA/µs 0.64mA/µs ±(10% + 15µs) 0~4.08A 0.1mA 4% F.S.	6.4mA/μs ±(10% + 15μs) 0-40.8A 1mA	10ms ~ 30s 1 µs / 1ms  0.001 ~ 0.28A/µs  0.001A/µs  ±(10% + 15µs)  0-7.14A  0.2mA  ±0.49	/ Res : 1ms ± 100ppm 0.01 ~ 2.8A/µs 0.01A/µs ±(10% + 15µs) 0~71.4A 2mA 6 F.S.	10ms ~ 30s 1 µs / 1ms  0.16 ~ 40mA/µs  0.16mA/µs  ±(10% + 15µs)  0~1.02A  0.05mA  ±0.45	5 / Res : 1ms ± 100ppm 1.6 ~ 400mA/j 1.6mA/µs ±(10% + 15µs 0~10.2A 0.5mA % F.S.	
DYNAMIC MOD	T1&T2  Accuracy  RRENT MODE  Slew Rate Slew Rate Resolution Slew Rate Accuracy of Setting Current Setting Range Current Resolution Current Accuracy  ISTANCE MODE  Slew Rate Slew Rate Resolution	10ms ~ 30s 1µs / 1ms 0.32 ~ 80mA/µs 0.32mA/µs ±(10% + 15µs) 0-2.04A 0.1mA ±0.49	/ Res : 1ms ± 100ppm 3.2 – 800mA/µs 3.2mA/µs ± (10% + 15µs) 0-20.4A 1mA 6 F.S.	0.8mA ±(10% + 0~5. 0.125	10ms ~ 3( 1μs / 1m 0mA/μs λ/μs - 15μs) 1A mA ±0.4	0s / Res : 1ms 0s + 100ppm 0.64 ~ 160mA/µs 0.64mA/µs ±(10% + 15µs) 0~4.08A 0.1mA 4% F.S.	6.4mA/µs ±(10% + 15µs) 0-40.8A 1mA	10ms ~ 30s 1 µs / 1ms  0.001 ~ 0.28A/µs  0.001A/µs  ±(10% + 15µs)  0-7.14A  0.2mA  ±0.49	/ Res : 1ms ± 100ppm 0.01 ~ 2.8A/µs 0.01A/µs ±(10% + 15µs) 0-71.4A 2mA 6 F.S.	10ms ~ 30s 1 µs / 1ms  0.16 ~ 40mA/µs  0.16mA/µs  ±(10% + 15µs)  0~1.02A  0.05mA  ±0.45	1.6~400mA/j 1.6~400mA/j 1.6mA/µs ±(10% + 15µs 0~10.2A 0.5mA	
DYNAMIC MOD	T1&T2 Accuracy RRENT MODE Slew Rate Slew Rate Resolution Slew Rate Accuracy of Setting Current Setting Range Current Resolution Current Accuracy ISTANCE MODE Slew Rate Slew Rate Resolution Slew Rate Accuracy of	10ms ~ 30s 1µs / 1ms 0.32 ~ 80mA/µs 0.32mA/µs ±(10% + 15µs) 0-2.04A 0.1mA ±0.49 3.2 ~ 80 3.2mA	/ Res : 1ms ± 100ppm 3.2 ~ 800mA/µs 3.2mA/µs ± (10% + 15µs) 0~20.4A 1mA 6 F.S.	0.8m/ ±(10% + 0~5. 0.125	10ms ~ 3( 1μs / 1m 0mA/μs N/μs -15μs) 1A mA ±0	0s / Res : 1ms 0s + 100ppm 0.64 ~ 160mA/µs 0.64mA/µs ±(10% + 15µs) 0~4.08A 0.1mA 4% F.S.	6.4mA/μs ±(10% + 15μs) 0-40.8A 1mA	10ms ~ 30s 1 µs / 1ms  0.001 ~ 0.28A/µs  0.001A/µs  ±(10% + 15µs)  0-7.14A  0.2mA  ±0.49	/ Res : 1ms ± 100ppm 0.01 ~ 2.8A/µs 0.01A/µs ± (10% + 15µs) 0-71.4A 2mA 6 F.S. 2.8A/µs A/µs	10ms ~ 30s 1µs / 1ms 0.16 ~ 40mA/µs 0.16mA/µs ±(10% + 15µs) 0~1.02A 0.05mA ±0.49 1.6 ~ 40	5 / Res : 1ms ± 100ppm 1.6 ~ 400mA/j 1.6mA/µs ±(10% + 15µs 0~10.2A 0.5mA % F.S.	
DYNAMIC MOD	T1&T2  Accuracy  RRENT MODE  Slew Rate Slew Rate Resolution Slew Rate Accuracy of Setting Current Setting Range Current Resolution Current Accuracy  ISTANCE MODE  Slew Rate Slew Rate Resolution	10ms ~ 30s 1µs / 1ms 0.32 ~ 80mA/µs 0.32mA/µs ±(10% + 15µs) 0-2.04A 0.1mA ±0.49 3.2 ~ 80 3.2mA	/ Res : 1ms ± 100ppm 3.2 ~ 800mA/µs 3.2mA/µs ±(10% + 15µs) 0~20.4A 1mA 6 F.S. 0mA/µs A/µs + 50µs)	0.8m/ ±(10% + 0~5. 0.125 0.8 ~ 200 0.8m/	10ms ~ 30 1μs / 1m 1μs / 1m 1mA/μs 1/μs 115μs) 11A mA ±0.4 2mA/μs 1/μs ±10.9	0.64 ~ 160mA/μs 0.64 ~ 160mA/μs 0.64mA/μs ±(10% + 15μs) 0~4.08A 0.1mA 6.4 ~ 16 6.4 ~ 16 6.4 ~ 6 6 + 50μs)	6.4mA/µs ±(10% + 15µs) 0~40.8A 1mA	10ms ~ 30s 1µs / 1ms 0.001 ~ 0.28A/µs 0.001A/µs ±(10% + 15µs) 0-7.14A 0.2mA ±0.49 0.01 ~	$\begin{tabular}{ll} $/\ Res: 1 ms $$ \pm 100 ppm $$ $$ \pm 100 ppm $$ $$ 0.01 $$ \sim 2.8 A/\mu s $$ 0.01 A/\mu s $$ \pm (10\% + 15 \mu s) $$ 0-71.4 A $$ 2mA $$ 6 F.S. $$ 2.8 A/\mu s $$ A/\mu s $$ 4/\mu s $$ $$ $$ 0.01 A/\mu s $$ 0.01$	10ms ~ 30s 1μs / 1ms 0.16 ~ 40mA/μs 0.16mA/μs ±(10% + 15μs) 0~1.02A 0.05mA ±0.45 1.6 ~ 40 1.6m	5 / Res : 1ms = ±100ppm 1.6 ~ 400mA/ 1.6mA/µs ±(10% + 15µ: 0-10.2A 0.5mA % F.S. 00mA/µs +50µs)	
DYNAMIC MOD	T1&T2 Accuracy RRENT MODE Slew Rate Slew Rate Resolution Slew Rate Accuracy of Setting Current Setting Range Current Resolution Current Accuracy ISTANCE MODE Slew Rate Slew Rate Resolution Slew Rate Accuracy of	10ms ~ 30s 1 μs / 1ms  0.32 ~ 80mA/μs  0.32mA/μs ±(10% + 15μs)  0-2.04A  0.1mA  ±0.49  3.2 ~ 80  3.2mA ±(10%  ±(10%)  0.075Ω~300c	/ Res : 1ms ± 100ppm 3.2 – 800mA/µs 3.2mA/µs ±(10% + 15µs) 0~20.4A 1mA 6 F.S. 0mA/µs A/µs + 50µs) 0(100W/16V)	0.8m/ ±(10% + 0~5. 0.125 0.8 ~ 200 0.8m/	10ms ~ 30 1	0.64 ~ 160mA/μs 0.64 ~ 160mA/μs 0.64mA/μs ±(10% + 15μs) 0~4.08A 0.1mA 4% F.S. 6.4 ~ 16 6.4m 6+50μs)	6.4mA/μs ±(10% + 15μs) 0-40.8A 1mA 00mA/μs 00mA/μs	10ms ~ 30s 1μs / 1ms  0.001 ~ 0.28A/μs  0.001A/μs  ±(10% + 15μs)  0-7.14A  0.2mA  ±0.49  ±(10%  0.01 ~ 0.01 ~ 0.01  ±(10%  0.025Ω~1006	$/$ Res : 1ms $\pm$ 100ppm $-$ 0.01 $\sim$ 2.8A/ $\mu$ s 0.01A/ $\mu$ s $\pm$ (10% + 15 $\mu$ s) $-$ 2.71.4A 2mA 6 F.S. 2.8A/ $\mu$ s A/ $\mu$ s $-$ 4 F.S. (2.8A/ $\mu$ s A/ $\mu$ s (350W/16V)	10ms ~ 30s 1 μs / 1ms  0.16 ~ 40mA/μs  0.16mA/μs  ±(10% + 15μs)  0~1.02A  0.05mA  ±0.45  1.6 ~ 40  ±(10%  1.25Ω~5kΩ(  1.25Ω~5kΩ(	5 / Res : 1ms ± 100ppm 1.6 ~ 400mA/ 1.6mA/μs ±(10% + 15μ: 0-10.2A 0.5mA % F.S. 200mA/μs 1-4/μs + 50μs) 350W/125V)	
DYNAMIC MOD	T1&T2  Accuracy  RRENT MODE  Slew Rate Slew Rate Accuracy of Setting Current Setting Range Current Resolution Current Accuracy  ISTANCE MODE  Slew Rate Slew Rate Resolution Slew Rate Accuracy of Setting	10ms ~ 30s 1µs / 1ms 0.32 ~ 80mA/µs 0.32mA/µs ±(10% + 15µs) 0-2.04A 0.1mA ±0.49 3.2 ~ 80 3.2mA	/ Res : 1ms ± 100ppm 3.2 – 800mA/µs 3.2mA/µs ±(10% + 15µs) 0~20.4A 1mA 6 F.S. 0mA/µs A/µs + 50µs) 0(100W/16V)	0.8m/ ±(10% + 0~5. 0.125 0.8 ~ 200 0.8m/	10ms ~ 30 1	0.64 ~ 160mA/μs 0.64 ~ 160mA/μs 0.64mA/μs ±(10% + 15μs) 0~4.08A 0.1mA 4% F.S. 6.4 ~ 16 6.4m 6+50μs)	6.4mA/µs ±(10% + 15µs) 0~40.8A 1mA	10ms ~ 30s 1µs / 1ms 0.001 ~ 0.28A/µs 0.001A/µs ±(10% + 15µs) 0-7.14A 0.2mA ±0.49 0.01 ~	$/$ Res : 1ms $\pm$ 100ppm $-$ 0.01 $\sim$ 2.8A/ $\mu$ s 0.01A/ $\mu$ s $\pm$ (10% + 15 $\mu$ s) $-$ 2.71.4A 2mA 6 F.S. 2.8A/ $\mu$ s A/ $\mu$ s $-$ 4 F.S. (2.8A/ $\mu$ s A/ $\mu$ s (350W/16V)	10ms ~ 30s 1 μs / 1ms  0.16 ~ 40mA/μs  0.16mA/μs  ±(10% + 15μs)  0~1.02A  0.05mA  ±0.45  1.6 ~ 40  ±(10%  1.25Ω~5kΩ(  1.25Ω~5kΩ(	5 / Res : 1ms = ±100ppm 1.6 ~ 400mA/ 1.6mA/µs ±(10% + 15µ 0-10.2A 0.5mA % F.S. 00mA/µs +50µs)	
DYNAMIC MOD	T1&T2 Accuracy RRENT MODE Slew Rate Slew Rate Resolution Slew Rate Accuracy of Setting Current Setting Range Current Resolution Current Accuracy ISTANCE MODE Slew Rate Slew Rate Resolution Slew Rate Accuracy of Setting Resistance Setting Range	10ms ~ 30s 1 μs / 1ms  0.32 ~ 80mA/μs  0.32mA/μs ±(10% + 15μs)  0-2.04A  0.1mA  ±0.49  3.2 ~ 80  3.2mA ±(10%  ±(10%)  0.075Ω~300c	/ Res : 1ms ± 100ppm 3.2 – 800mA/μs 3.2mA/μs ± (10% + 15μs) 0~20.4A 1mA 6 F.S. 0mA/μs A/μs + 50μs) 0(100W/16V) (100W/80V)	0.8m/ ±(10% + 0~5. 0.125 0.8 ~ 200 0.8m/	10ms ~ 30 1	0.64 ~ 160mA/μs 0.64 ~ 160mA/μs 0.64mA/μs ±(10% + 15μs) 0~4.08A 0.1mA 4% F.S. 6.4 ~ 16 6.4m 6 + 50μs) 0.0375Ω-150 1.875Ω-7.5ke	6.4mA/μs ±(10% + 15μs) 0-40.8A 1mA 00mA/μs 00mA/μs	10ms ~ 30s 1μs / 1ms  0.001 ~ 0.28A/μs  0.001A/μs  ±(10% + 15μs)  0-7.14A  0.2mA  ±0.49  ±(10%  0.01 ~ 0.01 ~ 0.01  ±(10%  0.025Ω~1006	/ Res : 1ms ± 100ppm 0.01 ~ 2.8A/µs 0.01A/µs ± (10% + 15µs) 0-71.4A 2mA 6 F.S. 2.8A/µs A/µs + 50µs) 0(350W/16V) 3350W/80V)	10ms ~ 30s 1µs / 1ms  0.16 ~ 40mA/µs  0.16mA/µs ±(10% + 15µs)  0~1.02A  0.05mA ±0.49  1.6 ~ 40  1.6m ±(10%  1.25Ω~5kΩ( 50Ω~200kΩ)	5 / Res : 1ms ± 100ppm 1.6 ~ 400mA/ 1.6mA/μs ±(10% + 15μ: 0-10.2A 0.5mA % F.S. 200mA/μs 1-4/μs + 50μs) 350W/125V)	
DYNAMIC MOD	T1&T2  Accuracy  RRENT MODE  Slew Rate Slew Rate Accuracy of Setting Current Setting Range Current Resolution Current Accuracy  ISTANCE MODE  Slew Rate Slew Rate Resolution Slew Rate Accuracy of Setting	10ms ~ 30s 1µs / 1ms  0.32 ~ 80mA/µs  0.32mA/µs ±(10% + 15µs)  0-2.04A  0.1mA ±0.49  3.2 ~ 80 3.2m ±(10%  0.075Ω~300c 3.75Ω~15kΩ	/ Res : 1ms ± 100ppm 3.2 – 800mA/μs 3.2mA/μs ± (10% + 15μs) 0~20.4A 1mA 6 F.S. 0mA/μs A/μs + 50μs) 2(100W/16V) (100W/80V) 00W/16V)	0.8m/ ±(10% + 0~5. 0.125 0.8 ~ 200 0.8m/ 0.3Ω~1.2kΩ  15Ω~60kΩ(:	10ms ~ 30 1	0.64 ~ 160mA/μs 0.64 ~ 160mA/μs 0.64mA/μs ±(10% + 15μs) 0~4.08A 0.1mA 4% F.S. 6.4 ~ 16 6.4m 6 + 50μs) 0.0375Ω-150 1.875Ω-7.5kd 0.666mS(:	6.4mA/μs ±(10% + 15μs) 0-40.8A 1mA 1mA 00mA/μs 100mA/μs 100mA/μs 100mA/μs	$\begin{array}{c} 10ms \sim 30s \\ 1\mu s \ / \ 1ms \\ \end{array}$ $\begin{array}{c} 0.001 \sim 0.28A/\mu s \\ 0.001A/\mu s \\ \pm (10\% + 15\mu s) \\ 0.7.14A \\ 0.2mA \\ \pm 0.49 \\ \end{array}$ $\begin{array}{c} 0.01 \sim 1 \\ \pm (10\% + 15\mu s) \\ 0.2mA \\ \pm 0.49 \\ \end{array}$ $\begin{array}{c} 0.01 \sim 1 \\ \pm (10\% + 15\mu s) \\ 0.250 \sim 1000 \\ 1.250 \sim 1000 \\ 1.250 \sim 1000 \\ 1.250 \sim 1000 \\ \end{array}$	/ Res : 1ms ± 100ppm 0.01 ~ 2.8A/µs 0.01A/µs ± (10% + 15µs) 0-71.4A 2mA 6 F.S. 2.8A/µs 4/µs + 50µs) 2(350W/16V) 2(350W/16V)	10ms ~ 30s 1 μs / 1ms  0.16 ~ 40mA/μs  0.16mA/μs ±(10% + 15μs)  01.02A  0.05mA ±0.45  1.6 ~ 4€  1.6m ±(10%  1.25Ω~5kΩ(  50Ω~20μS(356)	5 / Res : 1ms ± 100ppm 1.6 ~ 400mA/ 1.6mA/μs ±(10% + 15μ: 0-10.2A 0.5mA % F.S. 00mA/μs hA/μs + 50μs) 3350W/125V) (350W/500V)	
DYNAMIC MOD	E T1&T2 Accuracy RRENT MODE Slew Rate Slew Rate Resolution Slew Rate Accuracy of Setting Current Setting Range Current Resolution Current Accuracy ISTANCE MODE Slew Rate Slew Rate Resolution Slew Rate Accuracy of Setting Resistance Setting Range Resistance Resolution	10ms ~ 30s 1µs / 1ms  0.32 ~ 80mA/µs  0.32mA/µs ±(10% + 15µs)  0-2.04A  0.1mA ±0.49  3.2 ~ 80 3.2m ±(10%  0.075Ω~3006  3.75Ω~15kΩ  0.333mS(i	/ Res : 1ms ± 100ppm 3.2 – 800mA/µs 3.2mA/µs ± (10% + 15µs) 0–20.4A 1mA 6 F.S. 0mA/µs A/µs + 50µs) 2(100W/16V) (100W/80V) 00W/80V)	0.8m/ ±(10% + 0~5. 0.125 0.8 ~ 200 0.8m/ 0.3Ω~1.2kΩ( 15Ω~60kΩ( 83.333µS(3	10ms ~ 30 1 µs / 1m 20mA/µs 3/µs - 15µs) 1A mA ±0 20mA/µs ±(109 30W/16V) 30W/80V) 10W/16V) 00W/80V)	0.64 ~ 160mA/μs 0.64 ~ 160mA/μs 0.64mA/μs ±(10% + 15μs) 0~4.08A 0.1mA 4% F.S. 6.4 ~ 16 6.4m 6 + 50μs) 0.0375Ω~150 1.875Ω~7.5kd 0.666mS(; 13.333μS(	6.4mA/μs ±(10% + 15μs) 0-40.8A 1mA  00mA/μs  α(250W/16V) α(250W/80V) 250W/16V)	$\begin{array}{c} 10ms \sim 30s \\ 1\mu s \ / \ 1ms \\ \hline \\ 0.001 \sim 0.28A/\mu s \\ 0.001A/\mu s \\ \pm (10\% + 15\mu s) \\ \hline 0-7.14A \\ 0.2mA \\ \pm 0.49 \\ \hline \\ 0.01 \sim \\ \hline \\ 0.01 \sim \\ \hline \\ 0.025\Omega \sim 100c \\ \hline \\ 1.25\Omega \sim 5k\Omega \\ \hline \\ 1mS(35i) \end{array}$	/ Res : 1ms ± 100ppm 0.01 ~ 2.8A/µs 0.01A/µs ± (10% + 15µs) 0-71.4A 2mA 6 F.S. 2.8A/µs 4/µs + 50µs) 2(350W/16V) 350W/80V) 0W/16V) 0W/80V)	10ms ~ 30s 1 μs / 1ms  0.16 ~ 40mA/μs  0.16mA/μs ±(10% + 15μs)  0-1.02A  0.05mA ±0.45  1.6 ~ 46  1.6m ±(10%  50Ω-200kΩ  20μS(35i  0.5μS(35i	5 / Res : 1ms ± 100ppm 1.6 ~ 400mA/ 1.6mA/μs ±(10% + 15μ: 0~10.2A 0.5mA % F.S. 00mA/μs + 50μs) 3350W/125V) (350W/500V) 00W/125V)	
DYNAMIC MOD	T1&T2 Accuracy RRENT MODE Slew Rate Slew Rate Resolution Slew Rate Accuracy of Setting Current Setting Range Current Resolution Current Accuracy ISTANCE MODE Slew Rate Slew Rate Resolution Slew Rate Accuracy of Setting Resistance Setting Range	10ms ~ 30s 1μs / 1ms  0.32 ~ 80mA/μs 0.32mA/μs ±(10% + 15μs) 0-2.04A 0.1mA ±0.49  3.2 ~ 80 3.2m ±(10% 0.075Ω~3000 3.75Ω~15kΩ 0.333mS(1 6.667μS(1	/ Res : 1ms ± 100ppm 3.2 ~ 800mA/μs 3.2mA/μs ± (10% + 15μs) 0~20.4A 1mA 6 F.S. 0mA/μs A/μs + 50μs) 2(100W/16V) (100W/80V) 00W/16V) 00W/80V) %set + 0.1S)	0.8m/ ±(10% + 0~5. 0.125 0.8 ~ 200 0.8m/ 0.3Ω~1.2kΩ( 15Ω~60kΩ(: 83.333µS(3) 1.666µS(3)	10ms ~ 30 1μs / 1m 2mA/μs λ/μs - 15μs) 1A mA ±0.4 20mA/μs ±(109 330W/16V) 30W/80V) 00W/80V) 60W/80V) 65eet + 0.15)	0s / Res : 1ms 0s + 100ppm 0.64 ~ 160mA/µs 0.64mA/µs ±(10% + 15µs) 0~4.08A 0.1mA 4% F.S. 6.4 ~ 16 6.4m 6 + 50µs) 0.0375Ω-150 1.875Ω-7.5k 0.666mS(: 13.333µS(: 150Ω : ±(0.5)	6.4mA/μs ±(10% + 15μs) 0-40.8A 1mA  00mA/μs νA/μs  Ω(250W/16V) Ω(250W/80V) 250W/16V)	10ms ~ 30s 1 μs / 1ms  0.001 ~ 0.28A/μs 0.001A/μs ±(10% + 15μs) 0-7.14A 0.2mA ±0.49  0.01 ~ . 0.01 ±(10% 0.025Ω~1000 1.25Ω~5kΩ 1mS(35i 20 μS(35)	/ Res : 1ms ± 100ppm  0.01 ~ 2.8A/µs 0.01A/µs ±(10% + 15µs)  0-71.4A 2mA 6 F.S.  2.8A/µs 4/µs +50µs) (350W/16V) (350W/16V) 00W/80V) %set + 0.1S)	10ms ~ 30s 1 μs / 1ms  0.16 ~ 40mA/μs  0.16mA/μs  ±(10% + 15μs)  0.05mA  ±0.45  1.6 ~ 40  1.6m  ±(10%  20μs(35i  0.5μs(35i  5kΩ : ±(0.59)	5 / Res : 1ms ± 100ppm 1.6 ~ 400mA/ 1.6mA/μs ±(10% + 15μ 0.5mA % F.S. 20mA/μs + 50μs) 3350W/125V) (350W/500V) 0W/125V) 0W/500V)	
CONSTANT CUR	T1&T2 Accuracy RRENT MODE  Slew Rate Slew Rate Resolution Slew Rate Accuracy of Setting Current Setting Range Current Resolution Slew Rate Accuracy ISTANCE MODE Slew Rate Slew Rate Resolution Slew Rate Accuracy of Setting Resistance Setting Range Resistance Resolution Resistance Resolution	10ms ~ 30s 1μs / 1ms  0.32 ~ 80mA/μs  0.32mA/μs  ±(10% + 15μs)  0-2.04A  0.1mA  ±0.49  3.2 ~ 80  3.2m  ±(10%  0.075Ω~3006  3.75Ω~15kΩ  0.333mS(i  6.667μS(i  300Ω: ±(0.5)	/ Res : 1ms ± 100ppm 3.2 ~ 800mA/μs 3.2mA/μs ± (10% + 15μs) 0~20.4A 1mA 6 F.S. 0mA/μs A/μs + 50μs) 2(100W/16V) (100W/80V) 00W/16V) 00W/80V) %set + 0.1S)	0.8m/ ±(10% + 0~5. 0.125 0.8 ~ 200 0.8m/ 0.3Ω~1.2kΩ  15Ω~60kΩ( 83.333µS(2 1.666µS(3)	10ms ~ 30 1μs / 1m 2mA/μs λ/μs - 15μs) 1A mA ±0.4 20mA/μs ±(109 330W/16V) 30W/80V) 00W/80V) 60W/80V) 65eet + 0.15)	0s / Res : 1ms 0s + 100ppm 0.64 ~ 160mA/µs 0.64mA/µs ±(10% + 15µs) 0~4.08A 0.1mA 4% F.S. 6.4 ~ 16 6.4m 6 + 50µs) 0.0375Ω-150 1.875Ω-7.5k 0.666mS(: 13.333µS(: 150Ω : ±(0.5)	6.4mA/μs ±(10% + 15μs) 0-40.8A 1mA  00mA/μs 1A/μs  Ω(250W/16V) Ω(250W/80V) 250W/16V) 250W/80V) %set + 0.1S)	10ms ~ 30s 1 μs / 1ms  0.001 ~ 0.28A/μs 0.001A/μs ±(10% + 15μs) 0-7.14A 0.2mA ±0.49  0.01 ~ .  1.25Ω ~ 5kΩ 1ms(35) 20 μS(35) 100Ω : ±(0.5)	/ Res : 1ms ± 100ppm  0.01 ~ 2.8A/µs 0.01A/µs ±(10% + 15µs)  0-71.4A 2mA 6 F.S.  2.8A/µs 4/µs +50µs) (350W/16V) (350W/16V) 00W/80V) %set + 0.1S)	10ms ~ 30s 1 μs / 1ms  0.16 ~ 40mA/μs  0.16mA/μs  ±(10% + 15μs)  0.05mA  ±0.45  1.6 ~ 40  1.6m  ±(10%  20μs(35i  0.5μs(35i  5kΩ : ±(0.59)	5 / Res : 1ms ± 100ppm 1.6 ~ 400mA/ 1.6mA/µs ±(10% + 15µ: 0-10.2A 0.5mA % F.S. 00mA/µs + 50µs) 3350W/125V) 0350W/500V) 0W/125V) 0W/500V) 6set + 0.02S)	
CONSTANT CUR  CONSTANT RES	T1&T2  Accuracy  RRENT MODE  Slew Rate  Slew Rate Resolution  Slew Rate Accuracy of Setting  Current Setting Range  Current Resolution  Current Accuracy  ISTANCE MODE  Slew Rate  Slew Rate Resolution  Slew Rate Accuracy of Setting  Resistance Setting Range  Resistance Resolution  Resistance Resolution	10ms ~ 30s 1μs / 1ms  0.32 ~ 80mA/μs  0.32mA/μs  ±(10% + 15μs)  0-2.04A  0.1mA  ±0.49  3.2 ~ 80  3.2m  ±(10%  0.075Ω~3006  3.75Ω~15kΩ  0.333mS(i  6.667μS(i  300Ω: ±(0.5)	/ Res : 1ms ± 100ppm 3.2 ~ 800mA/μs 3.2mA/μs ± (10% + 15μs) 0~20.4A 1mA 6 F.S. 0mA/μs A/μs + 50μs) 2(100W/16V) (100W/80V) 00W/16V) 00W/80V) %set + 0.1S)	0.8m/ ±(10% + 0~5. 0.125 0.8 ~ 200 0.8m/ 0.3Ω~1.2kΩ  15Ω~60kΩ( 83.333µS(2 1.666µS(3)	10ms ~ 30 1μs / 1m 2mA/μs λ/μs - 15μs) 1A mA ±0.4 20mA/μs ±(109 330W/16V) 30W/80V) 00W/80V) 60W/80V) 65eet + 0.15)	0s / Res : 1ms 0s + 100ppm 0.64 ~ 160mA/µs 0.64mA/µs ±(10% + 15µs) 0~4.08A 0.1mA 4% F.S. 6.4 ~ 16 6.4m 6 + 50µs) 1.8750~7.5ks 0.666mS(: 13.333µS(: 150Ω : ±(0.5)	6.4mA/μs ±(10% + 15μs) 0-40.8A 1mA  00mA/μs 1A/μs  Ω(250W/16V) Ω(250W/80V) 250W/16V) 250W/80V) %set + 0.1S)	10ms ~ 30s 1 μs / 1ms  0.001 ~ 0.28A/μs 0.001A/μs ±(10% + 15μs) 0-7.14A 0.2mA ±0.49  0.01 ~ .  1.25Ω ~ 5kΩ 1ms(35) 20 μS(35) 100Ω : ±(0.5)	/ Res : 1ms ± 100ppm  0.01 ~ 2.8A/µs 0.01A/µs ±(10% + 15µs)  0-71.4A 2mA 6 F.S.  2.8A/µs 4/µs +50µs) (350W/16V) (350W/16V) 00W/80V) %set + 0.1S)	10ms ~ 30s 1 μs / 1ms  0.16 ~ 40mA/μs  0.16mA/μs  ±(10% + 15μs)  0.05mA  ±0.45  1.6 ~ 40  1.6m  ±(10%  20μs(35i  0.5μs(35i  5kΩ : ±(0.59)	5 / Res : 1ms ± 100ppm 1.6 ~ 400mA/ 1.6mA/µs ±(10% + 15µ: 0-10.2A 0.5mA % F.S. 00mA/µs + 50µs) 3350W/125V) 0350W/500V) 0W/125V) 0W/500V) 6set + 0.02S)	
CONSTANT CUR  CONSTANT RES	T1&T2  Accuracy  RRENT MODE  Slew Rate  Slew Rate Resolution  Slew Rate Accuracy of Setting  Current Setting Range  Current Resolution  Current Accuracy  ISTANCE MODE  Slew Rate  Slew Rate Resolution  Resistance Setting Range  Resistance Resolution  Resistance Resolution	10ms ~ 30s 1µs / 1ms  0.32 ~ 80mA/µs  0.32mA/µs ±(10% + 15µs)  0-2.04A  0.1mA ±0.49  3.2 ~ 80 3.2m ±(10%  0.075Ω~300c 3.75Ω~15kΩ  0.333mS(1 6.667μS(1 300Ω : ±(0.59)	/ Res : 1ms ± 100ppm 3.2 – 800mA/µs 3.2mA/µs ±(10% + 15µs) 0~20.4A 1mA 6 F.S. 0mA/µs +50µs) 0(100W/16V) (100W/16V) (100W/80V) 00W/80V) %set + 0.1S) éset + 0.01S)	0.8m/ ±(10% + 0~5. 0.125 0.8 ~ 200 0.8m/ 0.3Ω~1.2kΩ( 15Ω~60kΩ( 83.333µS(3 1.666µS(35) 60kΩ: ±(0.5%)	10ms ~ 30 1	0.64 ~ 160mA/μs 0.64 ~ 160mA/μs 0.64mA/μs ±(10% + 15μs) 0~4.08A 0.1mA 4% F.S. 6.4 ~ 16 6.4m 6+ 50μs) 0.0375Ω~150 1.875Ω~7.5k0 1.3333 ±(0.51) 7.5kΩ: ±(0.51)	6.4mA/μs ±(10% + 15μs) 0~40.8A 1mA  00mA/μs nA/μs  Ω(250W/16V) Ω(250W/80V) 250W/80V) %set + 0.15) %set + 0.015)	10ms ~ 30s 1μs / 1ms  0.001 ~ 0.28A/μs  0.001A/μs  ±(10% + 15μs)  0-7.14A  0.2mA  ±0.49  ±(10%  0.01 ~ 1.25Ω~5kΩ  1ms (35)  20 μs (35)  5kΩ: ±(0.5%)	/ Res : 1ms ± 100ppm 0.01 ~ 2.8A/µs 0.01A/µs ± (10% + 15µs) 0~71.4A 2mA 6 F.S. 2.8A/µs A/µs + 50µs) (350W/16V) 0W/16V) 0W/16V 0W/80V) 5 seet + 0.01S)	10ms ~ 30s 1 μs / 1ms  0.16 ~ 40mA/μs  0.16mA/μs  ±(10% + 15μs)  0~1.02A  0.05mA  ±0.49  1.6 ~ 40  1.6m  ±(10%  20μS(35i  0.5μS(35i  5 κΩ : ±(0.59)  200kΩ: ±(0.59)	5 / Res : 1ms ± 100ppm 1.6 ~ 400mA/ <sub>1</sub> 1.6mA/μs ±(10% + 15μ: 0-10.2A 0.5mA % F.S. 200mA/μs 15/μs + 50μs) 350W/125V) 350W/500V) 0W/125V) 0W/125V) 0W/500V) 6xet + 0.02S) 6xet + 0.00SS)	
CONSTANT CUR  CONSTANT RES	T1&T2  Accuracy  RRENT MODE  Slew Rate  Slew Rate Resolution Slew Rate Accuracy of Setting Current Setting Range Current Resolution Current Accuracy  ISTANCE MODE  Slew Rate Slew Rate Accuracy of Setting Resistance Setting Range Resistance Resolution Resistance Resolution Resistance Accuracy	10ms ~ 30s 1µs / 1ms  0.32 ~ 80mA/µs  0.32mA/µs ±(10% + 15µs)  0-2.04A  0.1mA ±0.49  3.2 ~ 80 3.2m ±(10%  0.075Ω~300C 3.75Ω~15kΩ  0.333mS(1 6.667µS(1 300Ω : ±(0.59)	/ Res : 1ms ± 100ppm 3.2 – 800mA/μs 3.2mA/μs ± (10% + 15μs) 0~20.4A 1mA 6 F.S. 0mA/μs + 50μs) 0(100W/16V) (100W/80V) 00W/16V) 00W/16V) 00W/16V) 00W/16V) 00W/16V) 00W/16V) 00W/16V) 00W/16V) 00W/16V) 00W/16V) 00W/16V) 00W/16V)	0.8m/ ±(10% + 0~5. 0.125 0.8 ~ 200 0.8m/ 15Ω~60lα(). 83.333µS(3 1.666µS(3) 1.2kΩ : ±(0.5% 60kΩ: ±(0.5%	10ms ~ 30 1	0.64 ~ 160mA/μs 0.64 ~ 160mA/μs 0.64mA/μs ±(10% + 15μs) 0~4.08A 0.1mA 4% F.S. 6.4 ~ 16 6.4m 6+50μs) 0.0375Ω-150 1.875Ω-7.5kd 0.666mS( 13.333μS( 150Ω : ±(0.59)	6.4mA/µs ±(10% + 15µs) 0-40.8A 1mA  00mA/µs nA/µs  0(250W/16V) 0(250W/80V) 250W/16V) 250W/16V) 250W/80V) %set + 0.015)  0-80V	10ms ~ 30s 1μs / 1ms  0.001 ~ 0.28A/μs  0.001A/μs ±(10% + 15μs)  0-7.14A  0.2mA  ±0.49  0.01 ~ 0.01 ±(10%  1.25Ω ~ 5kΩ  1mS (35i  100Ω : ±(0.5%)	/ Res : 1ms ± 100ppm 0.01 ~ 2.8A/μs 0.01A/μs ± (10% + 15μs) 0-71.4A 2mA 6 F.S. 2.8A/μs A/μs + 50μs) 0(350W/16V) 3350W/80V) 0W/80V) 0W/80V) 0w/8est + 0.1S) sset + 0.01S)	10ms ~ 30s 1 μs / 1ms  0.16 ~ 40mA/μs  0.16mA/μs ±(10% + 15μs)  0~1.02A  0.05mA ±0.49  1.6 ~ 40  1.6m ±(10%  20μS(35i  5ΩΩ-200kΩi  20μS(35i  5kΩ : ±(0.59)  200kΩ: ±(0.59)	5 / Res : 1ms ± 100ppm 1.6 ~ 400mA/μs ± (10% + 15μ 0.5mA % F.S. 20mA/μs 150w/50vy (350W/500V) 20w/125Vy 20w/500Vy 20w/500Vy 20w/500Vy 20w/500Vy 20w/500Vy 20w/500Vy 20w/500Vy 20w/500Vy 20w/500Vy 20w/500Vy 20w/500Vy 20w/500Vy 20w/500Vy 20w/500Vy 20w/500Vy 20w/500Vy 20w/500Vy 20w/500Vy 20w/500Vy	
CONSTANT CUR  CONSTANT RES	T1&T2  Accuracy  RRENT MODE  Slew Rate Slew Rate Resolution Slew Rate Accuracy of Setting Current Setting Range Current Resolution Current Accuracy ISTANCE MODE  Slew Rate Slew Rate Accuracy of Setting Resistance Setting Range Resistance Resolution	10ms ~ 30s 1 μs / 1ms  0.32 ~ 80mA/μs 0.32mA/μs ±(10% + 15μs) 0-2.04A 0.1mA ±0.49  3.2 ~ 80 3.2m0 ±(10% 0.075Ω~300α 3.75Ω~15kΩ 0.333mS(1 6.667μS(1 300Ω:±(0.59) 0-16V 0.32mV	/ Res : 1ms ± 100ppm 3.2 – 800mA/μs 3.2mA/μs ± (10% + 15μs) 0~20.4A 1mA 6 F.S. 0mA/μs A/μs + 50μs) 2(100W/16V) (100W/80V) 00W/16V) 00W/16V) 00W/80V) %set + 0.1S) 6set + 0.01S)	0.8m/ ±(10% + 0~5. 0.125 0.8 ~ 200 0.8m/ 0.3Ω~1.2kΩ( 15Ω~60kΩ( 83.333µS(3 1.666µS(35) 60kΩ: ±(0.5%)	10ms ~ 30 1	0.64 ~ 160mA/μs 0.64 ~ 160mA/μs 0.64mA/μs ±(10% + 15μs) 0~4.08A 0.1mA 4% F.S. 6.4 ~ 16 6.4m 6 + 50μs) 0.0375Ω-150 1.875Ω-7.5kd 0.666mS(: 13.333μS(: 150Ω:±(0.5)	6.4mA/μs ±(10% + 15μs) 0~40.8A 1mA  00mA/μs nA/μs  Ω(250W/16V) Ω(250W/80V) 250W/80V) %set + 0.15) %set + 0.015)	10ms ~ 30s 1μs / 1ms  0.001 ~ 0.28A/μs 0.001A/μs ±(10% + 15μs) 0-7.14A 0.2mA ±0.49  0.01 ~ .  1000 1.25Ω~5kΩ 1mS(35) 20 μS(35 100Ω : ±(0.5%)  0.16V 0.32mV	/ Res : 1ms ± 100ppm 0.01 ~ 2.8A/µs 0.01A/µs ± (10% + 15µs) 0~71.4A 2mA 6 F.S. 2.8A/µs A/µs + 50µs) 0(350W/16V) 0W/30V) %set + 0.1S) sset + 0.01S) 0~80V 1.6mV	10ms ~ 30s 1 μs / 1ms  0.16 ~ 40mA/μs  0.16mA/μs ±(10% + 15μs)  0~1.02A  0.05mA ±0.45  1.6 ~ 4C  1.6m ±(10%  50Ω – 200kΩ  20μS(35c  0.5μS(35c  5kΩ : ±(0.59  200kΩ: ±(0.59)  0~125V  2.5mV	5 / Res : 1ms ± 100ppm 1.6 ~ 400mA/ 1.6mA/μs ±(10% + 15μ 0.5mA % F.S. 20mA/μs + 50μs) (350W/500V) 0W/125V) 0W/500V) 6set + 0.02S) 6set + 0.02S) 0 -500V 10mV	
CONSTANT CUR  CONSTANT RES  CONSTANT RES	T1&T2  Accuracy  RRENT MODE  Slew Rate Slew Rate Resolution Slew Rate Accuracy of Setting Current Setting Range Current Resolution Current Accuracy ISTANCE MODE  Slew Rate Slew Rate Resolution Slew Rate Accuracy of Setting Resistance Setting Range Resistance Setting Range Resistance Accuracy  BACK  Range Resolution Accuracy	10ms ~ 30s 1µs / 1ms  0.32 ~ 80mA/µs  0.32mA/µs ±(10% + 15µs)  0-2.04A  0.1mA ±0.49  3.2 ~ 80 3.2m ±(10%  0.075Ω~300C 3.75Ω~15kΩ  0.333mS(1 6.667µS(1 300Ω : ±(0.59)	/ Res : 1ms ± 100ppm 3.2 – 800mA/μs 3.2mA/μs ± (10% + 15μs) 0~20.4A 1mA 6 F.S. 0mA/μs A/μs + 50μs) 2(100W/16V) (100W/80V) 00W/16V) 00W/16V) 00W/80V) %set + 0.1S) 6set + 0.01S)	0.8m/ ±(10% + 0~5. 0.125 0.8 ~ 200 0.8m/ 15Ω~60lα(). 83.333µS(3 1.666µS(3) 1.2kΩ : ±(0.5% 60kΩ: ±(0.5%	10ms ~ 30 1	0.64 ~ 160mA/μs 0.64 ~ 160mA/μs 0.64mA/μs ±(10% + 15μs) 0~4.08A 0.1mA 4% F.S. 6.4 ~ 16 6.4m 6+50μs) 0.0375Ω-150 1.875Ω-7.5kd 0.666mS( 13.333μS( 150Ω : ±(0.59)	6.4mA/µs ±(10% + 15µs) 0-40.8A 1mA  00mA/µs nA/µs  0(250W/16V) 0(250W/80V) 250W/16V) 250W/16V) 250W/80V) %set + 0.015)  0-80V	10ms ~ 30s 1μs / 1ms  0.001 ~ 0.28A/μs  0.001A/μs ±(10% + 15μs)  0-7.14A  0.2mA  ±0.49  0.01 ~ 0.01 ±(10%  1.25Ω ~ 5kΩ  1mS (35i  100Ω : ±(0.5%)	/ Res : 1ms ± 100ppm 0.01 ~ 2.8A/µs 0.01A/µs ± (10% + 15µs) 0~71.4A 2mA 6 F.S. 2.8A/µs A/µs + 50µs) 0(350W/16V) 0W/30V) %set + 0.1S) sset + 0.01S) 0~80V 1.6mV	10ms ~ 30s 1 μs / 1ms  0.16 ~ 40mA/μs  0.16mA/μs ±(10% + 15μs)  0~1.02A  0.05mA ±0.45  1.6 ~ 4C  1.6m ±(10%  50Ω – 200kΩ  20μS(35c  0.5μS(35c  5kΩ : ±(0.59  200kΩ: ±(0.59)  0~125V  2.5mV	5 / Res : 1ms ± 100ppm 1.6 ~ 400mA/μs ± (10% + 15μ 0.5mA % F.S. 20mA/μs 150mA/	
DYNAMIC MOD	T1&T2  Accuracy  RRENT MODE  Slew Rate Slew Rate Resolution Slew Rate Accuracy of Setting Current Setting Range Current Resolution Current Accuracy ISTANCE MODE  Slew Rate Slew Rate Resolution Slew Rate Accuracy of Setting Resistance Setting Range Resistance Setting Range Resistance Accuracy  BACK  Range Resolution Accuracy	10ms ~ 30s 1 μs / 1ms  0.32 ~ 80mA/μs 0.32mA/μs ±(10% + 15μs) 0-2.04A 0.1mA ±0.49  3.2 ~ 80 3.2m0 ±(10% 0.075Ω~300α 3.75Ω~15kΩ 0.333mS(1 6.667μS(1 300Ω:±(0.59) 0-16V 0.32mV	/ Res : 1ms ± 100ppm 3.2 – 800mA/μs 3.2mA/μs ± (10% + 15μs) 0~20.4A 1mA 6 F.S. 0mA/μs A/μs + 50μs) 2(100W/16V) (100W/80V) 00W/16V) 00W/16V) 00W/80V) %set + 0.1S) 6set + 0.01S)	0.8m/ ±(10% + 0~5, 0.125 0.8 ~ 200 0.8m/ 15Ω-60kΩ(. 83.333µS(3 1.666µS(3) 1.2kΩ : ±(0.5% 60kΩ: ±(0.5%)	10ms ~ 30 1	0.64 ~ 160mA/μs 0.64 ~ 160mA/μs 0.64mA/μs ±(10% + 15μs) 0~4.08A 0.1mA 4% F.S. 6.4 ~ 16 6.4m 6 + 50μs) 0.0375Ω-150 1.875Ω-7.5kd 0.666mS(: 13.333μS(: 150Ω:±(0.5)	6.4mA/µs ±(10% + 15µs) 0-40.8A 1mA  00mA/µs nA/µs  0(250W/16V) 0(250W/80V) 250W/16V) 250W/16V) 250W/80V) %set + 0.015)  0-80V	10ms ~ 30s 1μs / 1ms  0.001 ~ 0.28A/μs 0.001A/μs ±(10% + 15μs) 0-7.14A 0.2mA ±0.49  0.01 ~ .  1000 1.25Ω~5kΩ 1mS(35) 20 μS(35 100Ω : ±(0.5%)  0.16V 0.32mV	/ Res : 1ms ± 100ppm 0.01 ~ 2.8A/µs 0.01A/µs ± (10% + 15µs) 0~71.4A 2mA 6 F.S. 2.8A/µs A/µs + 50µs) 0(350W/16V) 0W/30V) %set + 0.1S) sset + 0.01S) 0~80V 1.6mV	10ms ~ 30s 1 μs / 1ms  0.16 ~ 40mA/μs  0.16mA/μs ±(10% + 15μs)  0~1.02A  0.05mA ±0.45  1.6 ~ 4C  1.6m ±(10%  50Ω – 200kΩ  20μS(35c  0.5μS(35c  5kΩ : ±(0.59  200kΩ: ±(0.59)  0~125V  2.5mV	5 / Res : 1ms ± 100ppm 1.6 ~ 400mA/ 1.6mA/μs ±(10% + 15μ 0.5mA % F.S. 00mA/μs + 50μs) (350W/500V) 00W/125V) 00W/500V) 6set + 0.02S) 6set + 0.02S) 00mV	
CONSTANT CUR  CONSTANT RES  CONSTANT RES	T1&T2  Accuracy  RRENT MODE  Slew Rate Slew Rate Resolution Slew Rate Accuracy of Setting Current Setting Range Current Resolution Current Accuracy ISTANCE MODE  Slew Rate Slew Rate Resolution Slew Rate Accuracy of Setting Resistance Setting Range Resistance Setting Range Resistance Accuracy  BACK  Range Resolution Accuracy	10ms ~ 30s 1 μs / 1ms  0.32 ~ 80mA/μs 0.32mA/μs ±(10% + 15μs) 0-2.04A 0.1mA ±0.49  3.2 ~ 80 3.2m0 ±(10% 0.075Ω~300α 3.75Ω~15kΩ 0.333mS(1 6.667μS(1 300Ω:±(0.59) 0-16V 0.32mV	/ Res : 1ms ± 100ppm 3.2 – 800mA/μs 3.2mA/μs ± (10% + 15μs) 0~20.4A 1mA 6 F.S. 0mA/μs A/μs + 50μs) 2(100W/16V) (100W/80V) 00W/16V) 00W/16V) 00W/80V) %set + 0.1S) 6set + 0.01S)	0.8m/ ±(10% + 0~5. 0.125 0.8 ~ 200 0.8m/ 15Ω~60lα(). 83.333µS(3 1.666µS(3) 1.2kΩ : ±(0.5% 60kΩ: ±(0.5%	10ms ~ 30 1	0.64 ~ 160mA/μs 0.64 ~ 160mA/μs 0.64mA/μs ±(10% + 15μs) 0~4.08A 0.1mA 4% F.S. 6.4 ~ 16 6.4m 6 + 50μs) 0.0375Ω-150 1.875Ω-7.5kd 0.666mS(: 13.333μS(: 150Ω:±(0.5)	6.4mA/µs ±(10% + 15µs) 0-40.8A 1mA  00mA/µs nA/µs  0(250W/16V) 0(250W/80V) 250W/16V) 250W/16V) 250W/80V) %set + 0.015)  0-80V	10ms ~ 30s 1μs / 1ms  0.001 ~ 0.28A/μs 0.001A/μs ±(10% + 15μs) 0-7.14A 0.2mA ±0.49  0.01 ~ .  1000 1.25Ω~5kΩ 1mS(35) 20 μS(35 100Ω : ±(0.5%)  0.16V 0.32mV	/ Res : 1ms ± 100ppm 0.01 ~ 2.8A/µs 0.01A/µs ± (10% + 15µs) 0~71.4A 2mA 6 F.S. 2.8A/µs A/µs + 50µs) 0(350W/16V) 0W/30V) %set + 0.1S) sset + 0.01S) 0~80V 1.6mV	10ms ~ 30s 1 μs / 1ms  0.16 ~ 40mA/μs  0.16mA/μs ±(10% + 15μs)  0~1.02A  0.05mA ±0.45  1.6 ~ 4C  1.6m ±(10%  50Ω – 200kΩ  20μS(35c  0.5μS(35c  5kΩ : ±(0.59  200kΩ: ±(0.59)  0~125V  2.5mV	5 / Res : 1ms ± 100ppm 1.6 ~ 400mA/μ 1.6mA/μs ±(10% + 15μs 0.5mA % F.S. 00mA/μs hA/μs + 50μs) (350W/125V) 00W/125V) 00W/125V) 00W/500V) 6set + 0.02S) 6set + 0.02S) 00-500V 10mV	
CONSTANT CUR  CONSTANT RES  CONSTANT RES	T1&T2  Accuracy  RRENT MODE  Slew Rate Slew Rate Resolution Slew Rate Accuracy of Setting Current Setting Range Current Resolution Current Accuracy ISTANCE MODE  Slew Rate Slew Rate Resolution Slew Rate Accuracy of Setting Resistance Setting Range Resistance Setting Range Resistance Accuracy  BACK  Range Resolution Accuracy  BACK	10ms ~ 30s 1μs / 1ms  0.32 ~ 80mA/μs 0.32mA/μs ±(10% + 15μs) 0-2.04A 0.1mA ±0.49  3.2 ~ 80 3.2m ±(10% 0.075Ω~300C 3.75Ω~15kΩ 0.333mS(1 6.667μS(1 300C: ±(0.59)  0-16V 0.32mV ±(0.025%set	/ Res : 1ms ± 100ppm 3.2 – 800mA/μs 3.2mA/μs ± (10% + 15μs) 0–20.4A 1mA 6 F.S. 0mA/μs + 50μs) 2(100W/16V) (100W/80V) 00W/16V) 00W/16V) 00W/80V) %set + 0.1S) 6set + 0.01S)	0.8m/ ±(10% + 0~5, 0.125 0.8 ~ 200 0.8m/ 15Ω-60kΩ(. 83.333µS(3 1.666µS(3) 1.2kΩ : ±(0.5% 60kΩ: ±(0.5%)	10ms ~ 30 1μs / 1m  2mA/μs  λ/μs  115μs)  11A  mA  ±0.4  2mA/μs  λ/μs  ±(109  330W/16V)  330W/16V)  30W/16V)  50W/16V)  50W/16V)  50W/16V)  50W/16V)  64 + 0.15)  5 + 0.15)  5 + 0.15)  6 + 0.15  6 + 0.15  7 + 0.15  8 + 0.15  8 + 0.15  9 + 0.15  1.6mV  ±(0.025%se	0.64 ~ 160mA/μs 0.64 ~ 160mA/μs 0.64mA/μs ±(10% + 15μs) 0~4.08A 0.1mA 4% F.S. 6.4 ~ 16 6.4m 6 + 50μs) 0.0375Ω~150 1.875Ω~7.5k 0.666mS(: 13.333μS(: 150Ω:±(0.5) 0-16V 0.32mV t + 0.025% F.S.)	6.4mA/μs ±(10% + 15μs) 0-40.8A 1mA  00mA/μs 1A/μs  Ω(250W/16V) Ω(250W/80V) 250W/80V) %set + 0.1S) %set + 0.01S)  0-80V 1.6mV	10ms ~ 30s 1 μs / 1ms  0.001 ~ 0.28A/μs 0.001A/μs ±(10% + 15μs) 0-7.14A 0.2mA ±0.49  0.01 ~ .  0.01 ~ .  10% 0.025Ω~1000 1.25Ω~5kΩ. 1mS(35i 20 μS(35 1000: ±(0.5%)  0-16V 0.32mV ±(0.025%set	/ Res : 1ms ± 100ppm 0.01 ~ 2.8A/µs 0.01A/µs ± (10% + 15µs) 0-71.4A 2mA 6 F.S. 2.8A/µs 4/µs + 50µs) 2(350W/16V) 350W/80V) 0W/16V) 0W/80V) %set + 0.1S) set + 0.01S) 0-80V 1.6mV + 0.025% F.S.)	10ms ~ 30s 1 μs / 1ms  0.16 ~ 40mA/μs  0.16mA/μs ±(10% + 15μs)  0-1.02A  0.05mA ±0.45  1.6 ~ 4€  1.6m ±(10%  50Ω-200kΩ  20μS(35i  0.5μS(35  5kΩ : ±(0.59)  20kΩ: ±(0.55)  0-125V  2.5mV ±(0.025%set	5 / Res : 1ms ± 100ppm 1.6 ~ 400mA/ 1.6mA/μs ± (10% + 15μ 0.5mA % F.S. 20mA/μs + 50μs) 350W/125V) (350W/500V) 0W/125V) 0W/500V) 6set + 0.025) %set + 0.025) 0 -500V 10mV + 0.025% F.S.	
CONSTANT CUR  CONSTANT RES  CONSTANT RES	T1&T2 Accuracy RRENT MODE  Slew Rate Slew Rate Resolution Slew Rate Accuracy of Setting Current Setting Range Current Resolution Current Accuracy ISTANCE MODE  Slew Rate Slew Rate Resolution Slew Rate Accuracy of Setting Resistance Setting Range Resistance Resolution Resistance Accuracy  BACK Range Resolution Accuracy BACK Range	10ms ~ 30s 1μs / 1ms  0.32 ~ 80mA/μs 0.32mA/μs ±(10% + 15μs) 0-2.04A 0.1mA ±0.49  3.2 ~ 80 3.2m ±(10% 0.075Ω~300c 3.75Ω~15kΩ 0.333mS(1 6.667μS(1 300Ω : ±(0.5) 15kΩ: ±(0.59)  0-16V 0.32mV ±(0.025%set	/ Res : 1ms ± 100ppm 3.2 – 800mA/µs 3.2mA/µs ± (10% + 15µs) 0~20.4A 1mA 6 F.S. 0mA/µs A/µs + 50µs) 2(100W/16V) (100W/80V) 00W/16V 00W/16V	0.8m/ ±(10% + 0~5, 0.125 0.8 ~ 200 0.8m/ 15Ω-60kΩ( 15Ω-60kΩ( 83.333µS(3) 1.2kΩ : ±(0.5% 60kΩ: ±(0.5%) 0~16V 0.32mV	10ms ~ 30 1μs / 1m  λ/μs  λ/μs  115μs)  11A  mA  ±0.4  λ/μs  ±(109  300W/16V)  300W/80V)  600W/16V)  000W/80V)  600W/80V)  1.6mV  ±(0.025%se	0.64 ~ 160mA/μs 0.64 ~ 160mA/μs 0.64mA/μs ±(10% + 15μs) 0.~4.08A 0.1mA 4% F.S.  6.4 ~ 16 6.4m 6 + 50μs) 0.0375Ω – 150 1.875Ω – 7.5kΩ 1.3333μS( 150Ω : ±(0.5) 0.7.5kΩ: ±(0.5) 0.32mV t + 0.025% F.S.)	6.4mA/μs ±(10% + 15μs) 0-40.8A 1mA  00mA/μs hA/μs  Ω(250W/16V) Ω(250W/80V) 250W/16V) 250W/80V) %set + 0.11S) %set + 0.01S)  0-80V 1.6mV	10ms ~ 30s 1μs / 1ms  0.001 ~ 0.28A/μs  0.001A/μs  ±(10% + 15μs)  0-7.14A  0.2mA  ±0.49  0.01 ~  ±(10%  0.025Ω~1000  1.25Ω~5kΩ  1mS(35s  20 μS(35  1000 : ±(0.5%)  0~16V  0.32mV  ±(0.025%set	/ Res : 1ms ± 100ppm 0.01 ~ 2.8A/µs 0.01A/µs ± (10% + 15µs) 0-71.4A 2mA 6 F.S. 2.8A/µs A/µs + 50µs) (350W/16V) 00W/16V) 00W/16V	10ms ~ 30s 1 μs / 1ms  0.16 ~ 40mA/μs  0.16mA/μs  ±(10% + 15μs)  0~1.02A  0.05mA  ±0.45  1.6 ~ 40  1.6 ~ 40m  ±(10%  20μS(35i  0.5μS(35i  5kΩ : ±(0.59)  200kΩ: ±(0.55i  0~125V  2.5mV  ±(0.025%set	5 / Res : 1ms 5 / Res : 1ms 5 ± 100ppm 1.6 ~ 400mA/ 1.6mA/μs ±(10% + 15μ: 0-10.2A 0.5mA % F.S. 200mA/μs + 50μs) 350W/125V) 350W/500V) 0W/500V) 0W/500V) 6 set + 0.025) 8 set + 0.025) 8 set + 0.025 10mV + 0.025% F.S.	
CONSTANT CUR  CONSTANT RES  MEASUREMENT VOLTAGE READI	T1&T2  Accuracy  RRENT MODE  Slew Rate  Slew Rate Resolution Slew Rate Accuracy of Setting  Current Setting Range  Current Accuracy  ISTANCE MODE  Slew Rate Slew Rate Resolution Slew Rate Accuracy of Setting  Resistance Setting Range  Resistance Setting Range  Resistance Accuracy  BACK  Range Resolution Accuracy  BACK  Range Resolution Accuracy  Resistance Resolution Accuracy	10ms ~ 30s 1µs / 1ms  0.32 ~ 80mA/µs  0.32mA/µs  ±(10% + 15µs)  0-2.04A  0.1mA  ±0.49  ±(10%  0.075Ω~300c  3.75Ω~15kΩ  0.333mS(1  6.667µS(1  300Ω: ±(0.59)  0-16V  0.32mV  ±(0.025%set -	/ Res : 1ms ± 100ppm 3.2 – 800mA/µs 3.2mA/µs ± (10% + 15µs) 0~20.4A 1mA 6 F.S. 0mA/µs A/µs + 50µs) 2(100W/16V) (100W/80V) 00W/16V 00W/16V	0.8m/ ±(10% + 0~5, 0.125 0.8 ~ 200 0.8m/ 15Ω-60kΩ( 15Ω-60kΩ( 83.333µS(3) 1.2kΩ : ±(0.5% 60kΩ: ±(0.5%) 0~16V 0.32mV	10ms ~ 30 1μs / 1m  λ/μs  λ/μs  115μs)  11A  mA  ±0.4  λ/μs  ±(109  300W/16V)  300W/80V)  600W/16V)  000W/80V)  600W/80V)  1.6mV  ±(0.025%se	0s / Res : 1ms 0s + 100ppm 0.64 ~ 160mA/μs 0.64mA/μs ±(10% + 15μs) 0~4.08A 0.1mA 4% F.S. 6.4 ~ 16 6.4m 6 + 50μs) 0.0375Ω-150 1.875Ω-7.5k 0.666mS(: 13.333μS(: 150Ω : ±(0.59) 0.16V 0.32mV t + 0.025% F.S.)	6.4mA/μs ±(10% + 15μs) 0-40.8A 1mA  00mA/μs hA/μs  Ω(250W/16V) Ω(250W/80V) 250W/16V) 250W/80V) %set + 0.11S) %set + 0.01S)  0-80V 1.6mV	10ms ~ 30s 1μs / 1ms  0.001 ~ 0.28A/μs  0.001A/μs  ±(10% + 15μs)  0-7.14A  0.2mA  ±0.49  0.01 ~ 0.01  ±(10%  0.025Ω~100c  1.25Ω~5kΩ  1mS(35i  20 μS(35i  100Ω : ±(0.5%)  0~16V  0.32mV  ±(0.025%set · 0.7A  0.14mA	/ Res : 1ms ± 100ppm 0.01 ~ 2.8A/µs 0.01A/µs ± (10% + 15µs) 0-71.4A 2mA 6 F.S. 2.8A/µs A/µs + 50µs) (350W/16V) 00W/16V) 00W/16V	10ms ~ 30s 1 μs / 1ms  0.16 ~ 40mA/μs  0.16mA/μs  ±(10% + 15μs)  0~1.02A  0.05mA  ±0.45  1.6 ~ 40  1.6 ~ 40m  ±(10%  20μS(35i  0.5μS(35i  5kΩ : ±(0.59)  200kΩ: ±(0.55i  0~125V  2.5mV  ±(0.025%set	5 / Res : 1ms ± 100ppm 1.6 ~ 400mA/ 1.6mA/μs ± (10% + 15μ: 0-10.2A 0.5mA % F.S. 20mA/μs + 50μs) 3350W/125V) 3350W/125V) 0W/125V) 0W/500V) 6set + 0.02S) 8set + 0.02S) 10mV + 0.025% F.S.	
CONSTANT CUR  CONSTANT RES  CONSTANT RES	T1&T2  Accuracy  RRENT MODE  Slew Rate  Slew Rate Resolution Slew Rate Accuracy of Setting Current Setting Range Current Resolution Current Accuracy  ISTANCE MODE  Slew Rate Resolution Slew Rate Accuracy of Setting Resistance Setting Range Resistance Setting Range Resistance Accuracy  BACK  Range Resolution Accuracy  BACK  Range Resolution Accuracy  Resolution Accuracy	10ms ~ 30s 1µs / 1ms  0.32 ~ 80mA/µs 0.32mA/µs ±(10% + 15µs) 0-2.04A 0.1mA ±0.49  3.2 ~ 80 3.2m ±(10% 0.075Ω~300C 3.75Ω~15kΩ 0.333mS(1 6.667µS(1 300Ω:±(0.5) 15kΩ:±(0.59)  0-16V 0.32mV ±(0.025%set -	/ Res : 1ms ± 100ppm 3.2 – 800mA/μs 3.2mA/μs ± (10% + 15μs) 0~20.4A 1mA 6 F.S. 0mA/μs + 50μs) 0(100W/16V) (100W/80V) 00W/16V)	0.8m/ ±(10% + 0~5. 0.125 0.8 ~ 200 0.8m/ 15Ω~60kΩ( 15Ω~60kΩ( 1.666μS(3) 1.2kΩ : ±(0.5% 60kΩ: ±(0.5%)	10ms ~ 30 1	0.64 ~ 160mA/μs 0.64 ~ 160mA/μs 0.64mA/μs ±(10% + 15μs) 0.4.08A 0.1mA 4% F.S. 6.4 ~ 16 6.4m 6 + 50μs) 0.0375Ω – 150 1.875Ω – 7.5kα 0.666mS( 13.333μS( 150Ω : ±(0.5) 0.16V 0.32mV t + 0.025% F.S.)	6.4mA/μs ±(10% + 15μs) 0~40.8A 1mA  00mA/μs nA/μs  0(250W/16V) 0(250W/80V) 250W/80V) %set + 0.15)  0~80V 1.6mV  0~40A 0.8mA	10ms ~ 30s 1μs / 1ms  0.001 ~ 0.28A/μs 0.001A/μs ±(10% + 15μs) 0-7.14A 0.2mA ±0.49  0.01 ~ 0.01 ±(10% 1.25Ω-5kΩ 1mS(35) 20 μS(35 100Ω : ±(0.5%  0-16V 0.32mV ±(0.025%set -	/ Res : 1ms ± 100ppm 0.01 ~ 2.8A/μs 0.01A/μs ± (10% + 15μs) 0-71.4A 2mA 6 F.S. 2.8A/μs A/μs + 50μs) 20(350W/16V) 350W/80V) 350W/80V) 350W/80V) 350W/80V) 0.76V) 0.76V) 0.76V) 0.76W) 0.76	10ms ~ 30s 1µs / 1ms  0.16 ~ 40mA/µs  0.16mA/µs ±(10% + 15µs)  0~1.02A  0.05mA  ±0.49  1.6 ~ 40  1.6m ±(10%  1.25Ω~5kΩ(  50Ω~200kΩ(  20µS(35(  0.5µS(35)  5kΩ : ±(0.59)  200kΩ: ±(0.59)  1.5mV  ±(0.025%set + 4)  0~1A  0.02mA	5 / Res : 1ms 5 / Res : 1ms 5 / 100ppm  1.6 ~ 400mA/ 1.6mA/μs ±(10% + 15μ: 0-10.2A 0.5mA % F.S.  00mA/μs +50μs) (350W/500V) 00W/125V) 00W/125V) 00W/125V) 00W/125V 0	
CONSTANT CUR  CONSTANT RES  MEASUREMENT VOLTAGE READI	T1&T2  Accuracy  RRENT MODE  Slew Rate  Slew Rate Resolution Slew Rate Accuracy of Setting  Current Setting Range  Current Accuracy  ISTANCE MODE  Slew Rate Slew Rate Resolution Slew Rate Accuracy of Setting  Resistance Setting Range  Resistance Setting Range  Resistance Accuracy  BACK  Range Resolution Accuracy  BACK  Range Resolution Accuracy  Resistance Resolution Accuracy	10ms ~ 30s 1µs / 1ms  0.32 ~ 80mA/µs  0.32mA/µs  ±(10% + 15µs)  0-2.04A  0.1mA  ±0.49  ±(10%  0.075Ω~300c  3.75Ω~15kΩ  0.333mS(1  6.667µS(1  300Ω: ±(0.59)  0-16V  0.32mV  ±(0.025%set -	/ Res : 1ms ± 100ppm 3.2 – 800mA/μs 3.2mA/μs ± (10% + 15μs) 0~20.4A 1mA 6 F.S. 0mA/μs A/μs + 50μs) 0(100W/16V) (100W/80V) %set + 0.1S) 6set + 0.01S) 0~80V 1.6mV + 0.025% F.S.)	0.8m/ ±(10% + 0~5, 0.125 0.8 ~ 200 0.8m/ 15Ω-60kΩ( 15Ω-60kΩ( 83.333µS(3) 1.2kΩ : ±(0.5% 60kΩ: ±(0.5%) 0~16V 0.32mV	10ms ~ 30 1	0.64 ~ 160mA/μs 0.64 ~ 160mA/μs 0.64mA/μs ±(10% + 15μs) 0.~4.08A 0.1mA 4% F.S.  6.4 ~ 16 6.4m 6 + 50μs) 0.0375Ω – 150 1.875Ω – 7.5kΩ 1.3333μS( 150Ω : ±(0.5) 0.7.5kΩ: ±(0.5) 0.32mV t + 0.025% F.S.)	6.4mA/μs ±(10% + 15μs) 0-40.8A 1mA  00mA/μs 1mA  0-40A 0.8mA  0-250W	10ms ~ 30s 1μs / 1ms  0.001 ~ 0.28A/μs  0.001A/μs  ±(10% + 15μs)  0-7.14A  0.2mA  ±0.49  0.01 ~ 0.01  ±(10%  0.025Ω~100c  1.25Ω~5kΩ  1mS(35i  20 μS(35i  100Ω : ±(0.5%)  0~16V  0.32mV  ±(0.025%set · 0.7A  0.14mA	/ Res : 1ms ± 100ppm 0.01 ~ 2.8A/μs 0.01A/μs ± (10% + 15μs) 0-71.4A 2mA 6 F.S. 2.8A/μs A/μs + 50μs) 2(350W/16V) 3350W/80V) 350W/80V) 350W/80V) 350W/80V) 0.750W/80V) 0.750W/80V) 0.750W/80V) 0.750W/80V) 0.750W/80V) 0.750W/80V) 0.750W/80V) 0.750W/80V) 0.750W/80V) 0.750W/80V)	10ms ~ 30s 1 μs / 1ms  0.16 ~ 40mA/μs  0.16mA/μs  ±(10% + 15μs)  0~1.02A  0.05mA  ±0.45  1.6 ~ 40  1.6 ~ 40m  ±(10%  20μS(35i  0.5μS(35i  5kΩ : ±(0.59)  200kΩ: ±(0.55i  0~125V  2.5mV  ±(0.025%set	5 / Res : 1ms 5 / Res : 1ms 5 / Res : 1ms 6 ± 100ppm  1.6 ~ 400mA/μ 1.6mA/μs ±(10% + 15μ: 010.2A 0.5mA % F.S.  00mA/μs hA/μs + 50μs) (350W/125V) (350W/500V) 00W/125V) 00W/125V) 00W/500V) %set + 0.025)  0-500V 10mV + 0.025% F.S.)  0-10A 0.2mA - 0.05% F.S.*2)	

SPEC	IFICATIONS											
		PEL-20	020B	PEL-2030B			PEL-2040B		PEL-2041B			
PROTECTIV	/E											
Over Power	Protection											
	Range	1~1	02W	0.9~30.6W		1.25~255W		1.75~357W		1.75~357W		
	Resolution	0.5W		0.15W		1.25W		1.75W		1.75W		
	Accuracy	±(2%set + 0.25%F.S)		±(2%set + 0.25%F.S)		±(2%set + 0.25%F.S)		±(2%set + 0.25%F.S)		±(2%set + 0.25%F.S)		
Over Curre	nt Protection											
	Range	0.25~20.4A		0.0625~5.1A		0.5~40.8A		0.875~71.4A		0.125~10.2A		
	Resolution	0.05A		0.0125A		0.1A		0.175A		0.025A		
	Accuracy	±(2%set + 0.25%F.S)		±(2%set + 0.25%F.S)		±(2%set +	±(2%set + 0.25%F.S)		±(2%set + 0.25%F.S)		±(2%set + 0.25%F.S)	
Over Voltag	ge Protection											
	Range	1~81.6V		1~81.6V		1~81.6V		1~81.6V		2.5~510V		
	Resolution	0.2V		0.2V		0.2V		0.2V		1.25V		
	Accuracy	±(2%set + 0.25%F.S)		±(2%set + 0.25%F.S)		±(2%set + 0.25%F.S)		±(2%set + 0.25%F.S)		±(2%set + 0.25%F.S)		
	Over Temperature Protection	≒85°C		≒85°C			≒85°C		≒85°C			
Rated Powe	r Protection	•										
	Value	110W		33W		275W		385W		385W		
	Accuracy	±5%set		±5%set		±5%set		±5%set		±5%set		
GENERAL						•						
SHORT CI	RCUIT											
	Current (CC)	≒2.2/2A	≒22/20A	≒5.	.5/5A	≒4.4/4A	≒44/40A	≒7.7/7A	≒77/70A	≒1.1/1A	≒11/10A	
	Voltage (CV)	≒ 0V	≒ 0V	≒	0V	≒ 0V	≒ 0V	≒ 0V	≒ 0V	≒ 0V	≒ 0V	
	Resistance (CR)	≒3.75Ω	≒0.075Ω	≒15Ω	≒0.3Ω	≒1.875Ω	≒0.0375Ω	≒1.25Ω	≒0.025Ω	≒50Ω	≒1.25Ω	
INPUT RESISTANCE (LOAD OFF) 500kΩ (Typic			(Typical)									
POWER SOURCE		100-120Vac/ 200-240Vac (90-132Vac/ 180-250Vac), 47 ~ 63Hz										
WEIGHT		Approx. 3.8kg										
DIMENSIO	NS & WEIGHT (PEL-2002B)	272(W) x 200(H) :	272(W) x 200(H) x 581(D) mm; Approx. 17.1kg (Full modules)									
DIMENSIO	NS & WEIGHT (PEL-2004B)	435(W) x 200(H) :	x 581 (D) mm; Appro	ox. 28.4kg (Full mod	dules)							

#### **ORDERING INFORMATION**

PEL-2020B Dual Channel Module, (0~80V, 0~20A, 100W) x 2

PEL-2030B Dual Channel Module, (1~80V, 0~5A, 30W)+(1~80V, 0~40A, 250W)

PEL-2040B Single Channel Module, (0~80V, 0~70A, 350W) Single Channel Module, (0~500V, 0~10A, 350W) 4-Slot Programmable D.C. Electronic Load Mainframe PEL-2041B PEL-2004B 2-Slot Programmable D.C. Electronic Load Mainframe PEL-2002B

Note: Load module cannot be used without a mainframe

**PEL-2002B** User Manual x1, Power Cord x1, Panel Cover PEL-003 x1 PEL-2004B User Manual x1, Power Cord x1, Panel Cover PEL-003 x3

PEL-2020B/2030B/2040B/2041B Test Lead GTL-120 x1, Sense Lead GTL-121 x1

Specifications subject to change without notice.

EL-2000BGD1BH

#### OPTIONAL ASSESSORIES

PEL-001 GPIB Card

PEL-002 PEL-2000B Series Rack Mount Kit

GTL-248 GPIB Cable (2m) GTL-249 Frame Link Cable

GTL-246 USB Cable, USB 2.0 A-B TYPE CABLE, 4P

GTL-232 RS-232C Cable, 9-pin, F-F Type,

null modem, 2000mm



# Siege social:

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Ventes: commercial@dimelco.com Service après vente : sav@dimelco.com

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