

	Resistance Setting Range	0.025Ω~100Ω(350W/16V)		1.25Ω~5KΩ(350W/125V)		0.075Ω~300Ω(100W/16V)		0.3Ω~1.2KΩ(30W/16V)		0.0375Ω~150Ω (250W/16V)	
		1.25Ω~5K(350W/80V)		50Ω~200K(350W/500V)		3.75Ω~15K(100W/80V)		15Ω~60K(30W/80V)		1.875Ω~7.5K(250W/80V)	
	Resistance Resolution	1mS(350W/16V)		20uS(350W/125V)		0.333mS(100W/16V)		83.333uS(30W/16V)		0.666mS(250W/16V)	
		20 uS(350W/80V)		0.5uS(350W/500V)		6.667uS(100W/80V)		1.666uS(30W/80V)		13.333uS(250W/80V)	
	Resistance Resolution	100Ω : ±(0.5%set + 0.1S)		5KΩ : ±(0.5%set + 0.02S)		300Ω : ±(0.5%set + 0.1S)		1.2KΩ : ±(0.5%set + 0.1S)		150Ω : ±(0.5%set + 0.1S)	
	Resistance Accuracy	5KΩ: ±(0.5%set + 0.01S)		200KΩ: ±(0.5%set + 0.005S)		15KΩ: ±(0.5%set + 0.01S)		60KΩ: ±(0.5%set + 0.01S)		7.5KΩ: ±(0.5%set + 0.01S)	
MEASUREMENT											
VOLTAGE READBACK											
	Range	0~16V	0~80V	0~125V	0~500V	0~16V	0~80V	0~16V	0~80V	0~16V	0~80V
	Resolution	0.32mV	1.6mV	2.5mV	10mV	0.32mV	1.6mV	0.32mV	1.6mV	0.32mV	1.6mV
	Accuracy	±(0.025%set + 0.025% F.S.)		±(0.025%set + 0.025% F.S.)		±(0.025%set + 0.025% F.S.)		±(0.025%set + 0.025% F.S.)			
CURRENT READBACK											
	Range	0~7A	0~70A	0~1A	0~10A	0~2A	0~20A	0~5A	0~4A	0~40A	
	Resolution	0.14mA	1.4mA	0.02mA	0.2mA	0.04mA	0.4mA	0.1mA	0.08mA	0.8mA	
	Accuracy	±(0.05%set + 0.05% F.S.)		±(0.05%set + 0.05% F.S.)		±(0.05%set + 0.05% F.S.)		±(0.05%set + 0.05% F.S.)			
POWER READBACK											
	Range	0~35W	0~350W	0~35W	0~350W	0~10W	0~100W	0~30W	0~25W	0~250W	
	Accuracy	±(0.1%set + 0.1% F.S.*1)		±(0.1%set + 0.1% F.S.*1)		±(0.1%set + 0.1% F.S.*1)		±(0.1%set + 0.1% F.S.*1)		±(0.1%set + 0.1% F.S.*1)	
NOTE : *1 : Power F.S. = Vrange F.S. x Irange F.S.											
PROTECTIVE											
Over Power Protection											
	Range	1~357W		1~357W		1~102W		1~30.6W		1~255W	
	Resolution	1.75W		1.75W		0.5W		0.15W		1.25W	
	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 Current Protection											
	Range	0~71.4A		0~10.2A		0~20.4A		0~5.1A		0~40.8A	
	Resolution	0.175A		0.025A		0.05A		0.0125A		0.1A	
	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 Voltage Protection											
	Range	1~81.6V		1~510V		1~81.6V		1~81.6V		1~81.6V	
	Resolution	0.2V		1.25V		0.2V		0.2V		0.2V	
	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 Power Protection											
	Value	385W		385W		110W		33W		275W	
	Accuracy	±2%set		±2%set		±2%set		±2%set		±2%set	
GENERAL											
SHORT CIRCUIT											
	Current(CC)	≒ 7.7/7A	≒ 77/70A	≒ 1.1/1A	≒ 11/10A	≒ 2.2/2A	≒ 22/20A	≒ 5.5/5A	≒ 4.4/4A	≒ 44/40A	
	Voltage(CV)	0V	0V	0V	0V	0V	0V	0V	0V	0V	
	Resistance(CR)	≒ 1.25Ω	≒ 0.025Ω	≒ 50Ω	≒ 1.25Ω	≒ 3.75Ω	≒ 0.075Ω	≒ 15Ω	≒ 0.3Ω	≒ 1.875Ω	≒ 0.0375Ω
	INPUT RESISTANCE(LOAD OFF)	500KΩ(Typical)		500KΩ(Typical)		500KΩ(Typical)		500KΩ(Typical)			
	POWER SOURCE	AC100V ~ 230V±10%; 50Hz/60Hz±2Hz									
	WEIGHT	APPROX. 3.8kg									
	DIMENSIONS & WEIGHT(PEL-2002A)	272(W) X 200(H) X 581(D) mm; Approx. 16.0kg(Full modules)					272(W) X 200(H) X 581(D) mm; Approx. 16.1kg(Full modules)				
	DIMENSIONS & WEIGHT(PEL-2004A)	435(W) X 200(H) X 581(D) mm; Approx. 28.4kg(Full modules)					435(W) X 200(H) X 581(D) mm; Approx. 24.8kg(Full modules)				

ORDERING INFORMATION

PEL-2020A/PEL-2020B Dual Channel Module, (0~80V, 0~20A, 100W) x2
 PEL-2030A / PEL-2030B Dual Channel Module, (1~80V, 0~5A, 30W)+(1~80V, 0~40A, 250W)
 PEL-2040A / PEL-2040B Single Channel Module, (0~80V, 0~70A, 350W)
 PEL-2041A / PEL-2041B Single Channel Module, (0~500V, 0~10A, 350W)
 PEL-2004A 4-Slot Programmable DC Electronic Load Mainframe
 PEL-2002A 2-Slot Programmable DC Electronic Load Mainframe

note: Load module cannot be used without a mainframe

ACCESSORIES:

PEL-2002A/2004A User Manual x1, Power Cord x1

PEL-2020A/2030A/2040A/2041A GTL-120 Test Lead x 1, GTL-121 Sense Lead x 1
PEL-2020B/2030B/2040B/2041B

PEL-003 x 3 (PEL-2004A); PEL-003 x 1(PEL-2002A)

OPTIONAL ACCESSORIES

PEL-001 GPIB Card

PEL-002 PEL-2000 Series Rack Mount Kit

PEL-003 Panel Cover

GTL-251 GPIB-USB-HS(High Speed)

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