

Features

- Voltage Rating: 160V / 250V / 800V
- Output Power Rating: 360W / 720W / 1,080W
- Multi-range Voltage & Current Combinations in One Power Supply
- C.V / C.C Priority Mode
- Adjustable Slew rate
- Series/ Parallel Operation (2 units in Series, 3 units in parallel)
- High-Efficiency and High-Power Density
- 1/2 (1,080W), 1/6 (360W) 19" Rack Mount Size
- Standard Interface: USB, LAN, Analog Control
- Optional Interface: GPIB-USB Adaptor, RS232- USB cable
- LabView Driver

Electrical Specifications

RS PRO Bench Power Supplies

RS Stock No.: 0642971

0642972

0642973



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

	0642973	0642971	0642972
OUTPUT RATING			
Voltage	0 ~ 160V	0 ~ 250V	0 ~ 800V
Current	0 ~ 21.6A	0 ~ 4.5A	0 ~ 2.88A
Power	1080W	360W	720W
REGULATION (CV)			
Load	85mV	130mV	405mV
Line	83mV	128mV	403mV
REGULATION (CC)			
Load	26.6mA	9.5mA	7.88mA
Line	26.6mA	9.5mA	7.88mA
RIPPLE & NOISE (Noise Bandwidth 20MHz; Ripple Bandwidth=1MHz)			
CV p-p	100m	80mV	200mV
CV rms	20mV	15mV	30mV
CC rms	45mA	10mA	10mA
PROGRAMMING ACCURACY			
Voltage	0.1% +100mV	0.1%+200mV	0.1%+400mV
Current	0.1% + 20mA	0.1%+5mA	0.1%+4mA
MEASUREMENT ACCURACY			
Voltage	0.1% +100mV	0.1%+200mV	0.1%+400mV
Current	0.1% +20mA	0.1%+5mA	0.1%+4mA
RESPONSE TIME			
Raise Time	100ms	100ms	150ms
Fall Time(Full Load)	100ms	150ms	300ms
Fall Time(No Load)	1000ms	1200ms	2000ms
Load Transient Recover Time	2ms	2ms	2ms
(Load change from 50~100%)			
PROGRAMMING RESOLUTION (By PC Remote Control Mode)			
Voltage	3mV	5mV	14mV
Current	3mA	1mA	1mA
MEASUREMENT RESOLUTION (By PC Remote Control Mode)			
Voltage	3mV	5mV	14mV
Current	3mA	1mA	1mA
SERIES AND PARALLEL CAPABILITY			

Parallel Operation	Up to 3 units including the master unit	3	3
Parallel Operation	Up to 3 units including the master unit	N/A	N/A
PROTECTION FUNCTION			
OVP	16~176V	20~275V	20~880V
OCP	2.16~23.76A	0.45~4.95A	0.288~3.168
OHP	Activated by elected internal temperatures		
FRONT PANEL DISPLAY ACCURACY, 4 digits			
Voltage	0.1%±100mV	0.1%±200mV	0.1%±400mV
Current	0.1%±30mA	0.1%±5mA	0.1%±4mA
ENVIRONMENT CONDITION			
Operation Temp	0 C ~ 50 C		
Storage Temp	Minus 25 C ~ 70 C		
Operating Humidity	20% ~ 85% RH; No condensation		
Storage Humidity	90% RH or Less; No condensation		
READ BACK TEMP COEFFICIENT			
Voltage	100ppm/ C of rated output voltage: after a 30 minute warm-up		
Current	200ppm/ C of rated output current: after a 30 minute warm-up		

Safety Approval

◎ EMC	
EN 61326-1	Electrical equipment for measurement, control and laboratory use — EMC requirements
Conducted & Radiated Emission EN 55011 / EN	Electrical Fast Transients EN 61000-4-4
Current Harmonics EN 61000-3-2 / EN 61000-3-12	Surge Immunity EN 61000-4-5
Voltage Fluctuations EN 61000-3-3 / EN 61000-3-11	Conducted Susceptibility EN 61000-4-6
Electrostatic Discharge EN	Power Frequency Magnetic Field EN 61000-4-8
Radiated Immunity EN	Voltage Dip/ Interruption EN 61000-4-11 / EN 61000-4-34
◎ Safety	
EN 61010-1 :	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements

Order Information

0642973 - (0~160V / 0~21.6A / 1080W) Multi-Range DC Power Supply

0642971 - (0~250V / 0~4.5A / 360W) Multi-Range DC Power Supply

- (0~800V / 0~2.88A / 720W) Multi-Range DC Power Supply

RSPS 250V / 800V Series Accessories

- Output terminal cover
- High voltage output terminal USB cable "L" type x 1
- Basic Accessory Kit: (Air filter x1, Analog control protection dummy x1, Analog control lock level x1)
- Power Cord (10A) VDE type x 1 for Europe region.

For RSPS 160V Series Accessories

- Test Lead x 1
- USB cable "L" type x 1
- Basic Accessories Kit x 1 Incl. (M4 Terminal screws and washers x 2, Air Filter x 1, Analog control protection dummy x 1, Analog control lock lever x 1, M8 terminal bolts, nuts and washers x 2)
- Output terminal cover
- Power Cord (10A) VDE type x 1 for Europe region.

Optional Accessories

Extended terminal

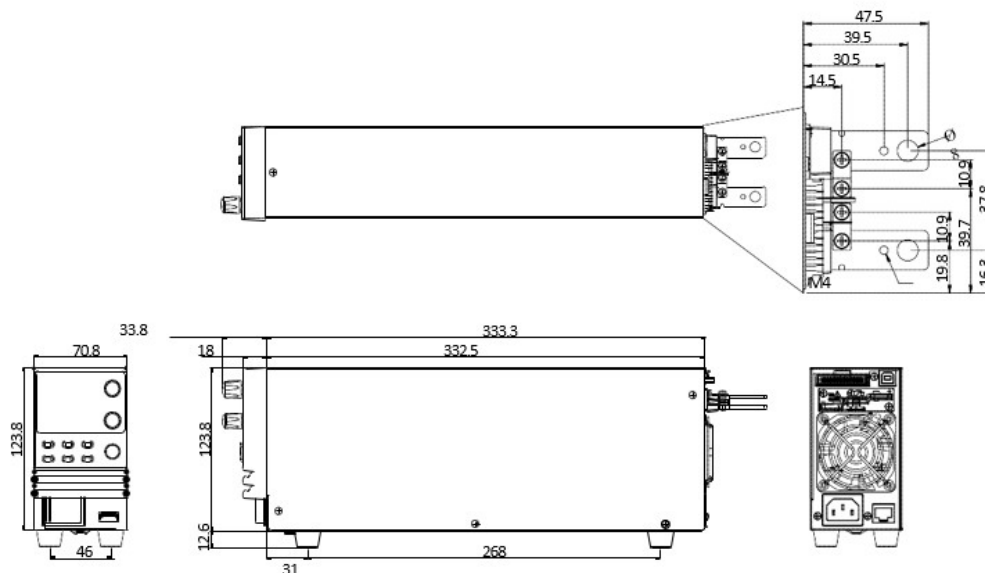
GPIO to USB adapter

Rack mount adapter (JIS)

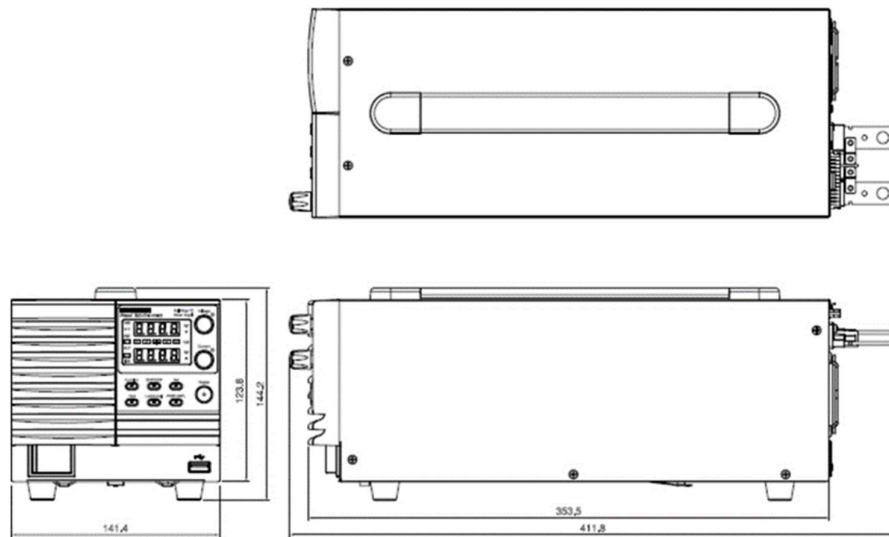
Rack mount adapter (EIA)

Dimensions

160V/250V/800V, 360W



800V / 720W



800V / 1080W

