

Features

- 1/2/ 3 independent isolated output channels.
- RSPE-3060 provides CH1/CH2: 0 ~ 30V / 0 ~ 6A output; CH3 supports 5.0V at 5A.
- RSPE-6030 supports CH1/CH2: 0 ~ 60V / 0 ~ 3A output; CH3 supports 5.0V at 5A.
- Series/parallel tracking function.
- High program resolution of 10mV/1mA and measurement resolution of 30mV/10mA.
- Output On/Off function.
- Simple analog control interface.
- Multiple protection apparatuses such as overvoltage and overload protection functions.

RS PRO Bench Power Supplies

RS Stock No.: 0447359 and 0447360



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.

The specifications apply under the following conditions: The RSPE series is powered on for at least 30 minutes, within +20°C~+30°C.		0447359 / 0447360	
		CH1&CH2	CH3
Output	Voltage	0~30.00V*2 / 0~60.00V*2	5V,±5%
	Current	0~6.000A*2 / 0~3.000A*2	5A
	Voltage/Current (MAX)	32V, 6.2A / 62V, 3.2A	
Load regulation	Voltage	≤0.01%+5mV ≤0.02%+5mV (≥10A)	≤5mV
	Current	≤0.01%+3mA	≤0.2% + 3mA
Line regulation	Voltage	≤0.01%+3mV	≤3mV
	Current	≤0.01%+3mA	≤0.2% + 3mA
Ripple & Noise	Constant Voltage	≤1mVrms(5Hz-1MHz)	≤1mVrms(5Hz-1MHz)
	Constant Current	≤2mArms	≤2mArms
Setting accuracy	Voltage Resolution	10mV	--
	Voltage accuracy	± (0.1% + 30mV) (4digits) ± (0.1% + 200mV) (3digits)	
	Current Resolution	1mA	
	Current accuracy	± (0.3% + 6mA) (4digits) ± (0.3% + 20mA) (3digits)	
Readback accuracy	Voltage Resolution	10mV / 20mV	--
	Voltage accuracy	± (0.1% + 30mV) (4digits) ± (0.1% + 200mV) (3digits)	
	Current Resolution	2mA / 1mA	
	Current accuracy	± (0.3% + 6mA) (4digits) ± (0.3% + 20mA) (3digits)	
Recovery Time		≤100us	≤100us
Tracking Operation	SER. Regulation	Tracking error: ≤0.1% +10mV of Master (0447359) ≤0.2% +20mV of Master (0447360) No Load, with load add load regulation ≤200mV	--
		Line: ≤ 0.01% + 5mV	
		Load: ≤ 200mV	
	PAR. regulation	Line: ≤ 0.01% + 3mV	
		Load: ≤ 0.01% + 5mV ≤ 0.02% + 5mV (≥10A)	
	Ripple & Noise	≤2mVrms(5Hz-1MHz)	
OVP	Voltage	OFF,ON(0.5V~35.0V) (0447359) OFF,ON(0.5V~65.0V) (0447360)	5.5V(5V)
	Resolution	0.5V	--

	Setting accuracy	≤1V
Protection	OVP	
Features	Display	4.3" monochrome LCD
	Inter-channel isolation	
	Independent output	
	Key lock	
	Intelligent cooling fan	
	Power ON/OFF state setting	
	EXT I/O control	
Dimensions & Weight		210 (W) x 155 (H) x 362 (D) mm, 10kg
Power	Consumption	680W
	AC input	100V/120V/220V/230Vac±10%, 50/60Hz

Safety Approval

EN 61326-1 :	Electrical equipment for measurement, control and laboratory use – – EMC requirements	
Conducted & Radiated Emission EN 55011 / EN 55032		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 61000-4-2		Power Frequency Magnetic Field EN 61000-4-8
Radiated Immunity EN 61000-4-3		Voltage Dip/ Interruption EN 61000-4-11 / EN 61000-4-34

EN 61010-1 :	Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 1: General requirements
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Order Information

ACCESSORIES

Power cords (UK*1 / VDE*1)

Test Lead: GTL-104A x 3

RSPE Dimension

