



120W & 240W PS5R Slim Line Power Supplies

Features

- Compact size:
120W - **only 50mm width**
240W - **only 80mm width**
- Universal AC input (85 to 265V AC)
- DC input (84 to 350V DC)
- Power factor correction (EN61000-3-2)
- Meet SEMI F47 Sag Immunity
- Class 1, Div 2 Hazardous Locations
- DC ON LED indicator & DC low LED indicator
- Overcurrent protection, auto reset
- Overvoltage protection, shut down
- Adjustable output voltage ($\pm 10\%$)
- Screw terminal type, IP20
- Surface mount or DIN rail mount
- Additional Approvals: EMI: EN61204-3 (class B)
EMS: EN61204-3 (industrial), UL508,
IEC/EN60950, UL1604, TUV, UL Listing, c-UL



IDEC's PS5R Slim Line of power supplies gives you all the power of a traditional power supply in only half the space. The 120W unit has a width of only **50mm** while the 240W is just **80mm** wide. They also come with all the convenient features you've come to expect from IDEC's top-selling power supplies.



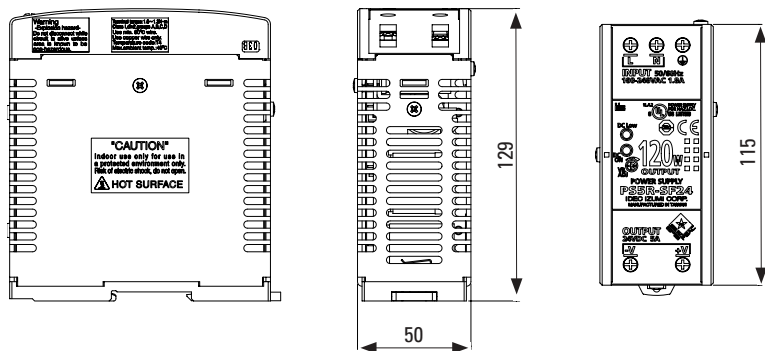
Specifications

			120 W	240W
			PS5R-SF24	PS5R-SG24
Input	Input voltage		85 to 264V AC, 100-350V DC	
	Input Current	100VAC	1.8A max	3.5A max
		200VAC	1.0A max	1.7A max
	Internal Fuse Rating		250V, 4A	250V, 6.3A
	Inrush Current 200VAC		50A max	50A max
	Leakage Current		1mA max	1mA max
Output	Typical Efficiency 24V DC		84%	84%
	Output Current Ratings at 24V DC		5A	10A
	Voltage Adjustment		$\pm 10\%$ (V. ADJ control on front)	$\pm 10\%$ (V. ADJ control on front)
	Output Holding Time		20msec min (at rated input and output)	20msec min (at rated input and output)
	Starting Time		650msec max	500msec max
	Rise time		200msec max (at rated input and output)	200msec max (at rated input and output)
	Line Regulation		0.4% max	0.4% max
	Load Regulation		1.5% max	0.8% max
	Temperature Regulation		0.05% °C max	0.05% °C max
	Ripple voltage		1% p-p max including noise	1% p-p max including noise
	Overcurrent Protection		105-130%, auto reset	105-130%, auto reset
	Overvoltage Protection		120% or more, shutdown	120% or more, shutdown

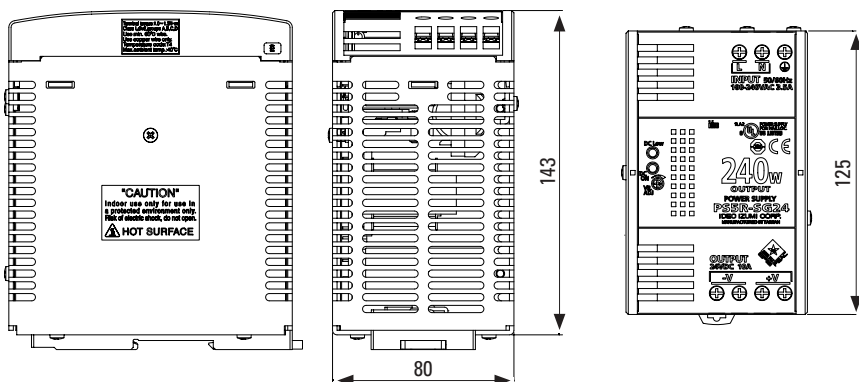
Specifications can't on following page

General Specifications	120W		240W	
	PS5R-SF24		PS5R-SG24	
	Dielectric Strength	Between input and ground: 2000V AC, 1 minute	Between input and ground: 2000V AC, 1 minute	
	Insulation Resistance	Between input and output terminals: 100M Ω min	Between input and output terminals: 100M Ω min	
	Operating Temperature	-10 to +60°C (14 to 140°F)	-10 to +60°C (14 to 140°F)	
	Storage Temperature	-25 to +75°C (-13 to 167°F)	-25 to +75°C (-13 to 167°F)	
	Operating Humidity	20 to 90% relative humidity (no condensation, no freezing)	20 to 90% relative humidity (no condensation, no freezing)	
	Vibration Resistance	Frequency 10 to 55Hz, Amplitude 0.375mm, 2 hours each in 3 axes	Frequency 10 to 55Hz, Amplitude 0.375mm, 2 hours each in 3 axes	
	Shock Resistance	300m/s ² 3 times each in 6 axes (150m/s ² using mounting bracket)	300m/s ² 3 times each in 6 axes (150m/s ² using mounting bracket)	
	Approvals	SEMI F47 UL: UL508 (Listing), UL1604 c-UL: CSA C22.2 No. 14 TUV: EN60950, EN50178 EMI: EN61204-3 (Class B) EMS: EN61204-3 (Industrial)	SEMI F47 UL: UL508 (Listing), UL1604 c-UL: CSA C22.2 No. 14 TUV: EN60950, EN50178 EMI: EN61204-3 (Class B) EMS: EN61204-3 (Industrial)	
	Harmonic Directive	EN61000-3-2 A14 Class A	EN61000-3-2 A14 Class A	
	Weight (Approx)	630g	1000g	
	Terminal Screw	M3.5 slotted-Philips head screw (screw terminal type)	M3.5 slotted-Philips head screw (screw terminal type)	
	IP Protection	IP 20 (finger-safe)	IP 20 (finger-safe)	

PS5R-SF (120W)



PS5R-SG (240W)



(dimensions are in mm)



For more information on the PS5R Slim Line series of power supplies visit

www.idec.com/usa/powersupply

For more information call IDEC at:
800-262-IDEC (4332)
1175 Elko Drive • Sunnyvale, CA 94089
Fax: 408-745-5258 • www.idec.com

©2004 IDEC Corporation. All Rights Reserved.
Part #PS9Y-DS100-0 10/04