

## Specifications

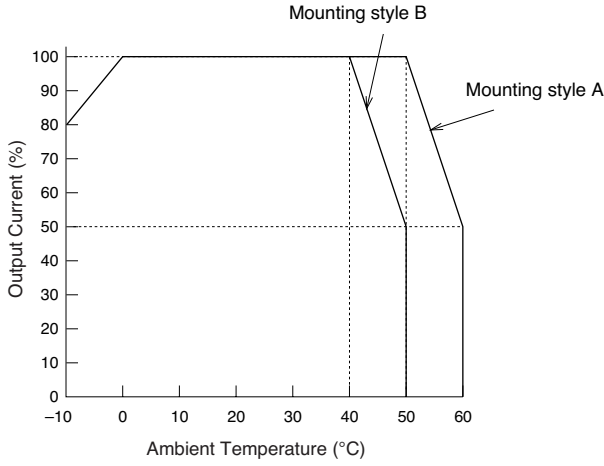
Part Numbers	5VDC output	PS5R-A05	PS5R-B05*	—	—	—	—	—	—	
	12VDC output	PS5R-A12	PS5R-B12	PS5R-C12	—	—	—	—	—	
	24VDC output	PS5R-A24	PS5R-B24	PS5R-C24	PS5R-D24	PS5R-Q24	PS5R-E24	PS5R-F24	PS5R-G24	
<b>Output Capacity</b>		7.5W	15W	30W	50W	75W	100W	120W	240W	
<b>Input</b>	<b>Input Voltage</b> (single-phase, 2-wire)	100 to 240VAC nominal (85 to 264V AC), 50/60Hz (47 to 63Hz) 110 to 340VDC nominal (105 to 370VDC)					100 to 120VAC, 50/60Hz 200 to 240VAC, 50/60Hz (jumper selectable) 240 to 370VDC		100 to 240VAC, 50/60Hz, 110 to 340VDC	
	<b>Input Current (typical)</b>	0.17A at 100VAC	0.3A at 100VAC	0.68A at 100VAC	1.15A at 100VAC	1.1A	2.5A at 100VAC 1.5A at 200VAC	1.8A	4A at 100VAC	
	<b>Internal Fuse Rating</b>	2A	2A	3.15A	3.15A	3.15A	4A	4A	6.3A	
	<b>Inrush Current</b>	50A maximum (at cold start at 200V AC)				70A maximum (at cold start at 230V AC)	50A maximum (at cold start at 200V AC)	70A maximum (at cold start at 230V AC)		
	<b>Leakage Current (at no load)</b>	0.75mA maximum (60Hz, measured in conformance with UL, CSA, VDE)								
	<b>Typical Efficiency</b>	69% at 5V 73% at 12V 75% at 24V	69% at 5V 75% at 12V 79% at 24V	75% at 12V 75% at 24V	79% at 24V	83% at 24V DC	85% at 24V	83% at 24V DC	83% at 24V	
	<b>Oversvoltage Protection</b>	Outputs turns off at 105% (typical)								
<b>Output</b>	<b>Voltage and Current Ratings</b>	5V, 1.5A 12V, 0.6A 24V, 0.3A	5V, 2.5A 12V, 1.2A 24V, 0.6A	12V, 2.5A 24V, 1.3A	24V, 2.1A	24V, 3.1A	24V, 4.2A	24V, 5A	24V, 10A	
	<b>Voltage Adjustments</b>	±10% (V.ADJ screw on top)								
	<b>Output Holding Time</b>	20ms minimum (at full rated input and output)								
	<b>Rise Time</b>	200ms maximum (at full rated input and output)								150ms max.
	<b>Line Regulation</b>	0.4% maximum								
	<b>Load Regulation</b>	1.5% maximum								
	<b>Fluctuation due to Ambient Temperature Change</b>	0.05% maximum								
	<b>Ripple Voltage</b>	2% peak to peak maximum (including noise)								
	<b>Overload Protection</b>	120% typical (Zener-limiting)			120% typical, auto reset					
	<b>Operation Indicator</b>	LED								
<b>Parallel Operation</b>	PS5R-A	PS5R-B	PS5R-C	PS5R-D	PS5R-Q	PS5R-E	PS5R-F	PS5R-G		
	No				Yes		No		Yes	
<b>Dielectric Strength</b>	Between input and output terminals: 3,000V AC, 1 minute Between input terminals and housing: 2,000V AC, 1 minute Between output terminal and housing: 500V AC, 1 minute									
<b>Insulation Resistance</b>	Between input and output terminals/input terminals and housing: 100MΩ minimum (500V DC megger)									
<b>Operating Temperature</b>	-10 to +60°C (14° to 140°F) (see derating curves)									
<b>Storage Temperature</b>	-30 to +85°C (-22° to 185°F)									
<b>Operating Humidity</b>	20 to 90% relative humidity (no condensation)									
<b>Vibration Resistance</b>	45m/s <sup>2</sup> , 10 to 55Hz, 2 hours on each of 3 axes				10 to 50Hz, 0.75mm p-p, 2 hrs on each of 3 axes					
<b>Shock Resistance</b>	300m/s <sup>2</sup> (30G), 3 shocks in each of 6 directions									
<b>Approvals</b>	Conforms to EMC Directives EN50081-2 & EN50082-2. LVD Directive EN60529 — Certified to EN60950. UL508 listed. UL, c-UL, TUV approved. CE marked. EN61000-3-2									
<b>Weight</b>	150g	170g	360g	390g	800g	600g	1200g	2000g		
<b>Termination</b>	Spring-up, fingersafe terminals with captive M3.5 screws									
<b>IP protection</b>	IP20 (finger safe)									
<b>Dimensions H x W x D (mm)</b>	75 x 45 x 70	75 x 45 x 95	75 x 90 x 95	75 x 90 x 95	120 x 85 x 140	75 x 145 x 95	120 x 115 x 140	120 x 200 x 140		
<b>Dimensions H x W x D (inches)</b>	2.95 x 1.77 x 2.76	2.95 x 1.77 x 3.74	2.95 x 3.54 x 3.74	2.95 x 3.54 x 3.74	4.72 x 3.35 x 5.52"	2.95 x 5.71 x 3.74"	4.72 x 4.53 x 5.52	4.72 x 7.87 x 5.51		



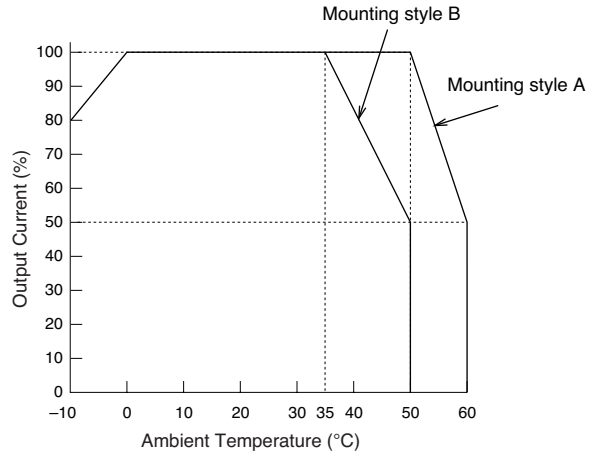
1. For dimensional drawings, see page L-12.
2. For usage instructions, see page L-11.
3. \*12.5W for 5VDC model.

**Temperature Derating Curves**

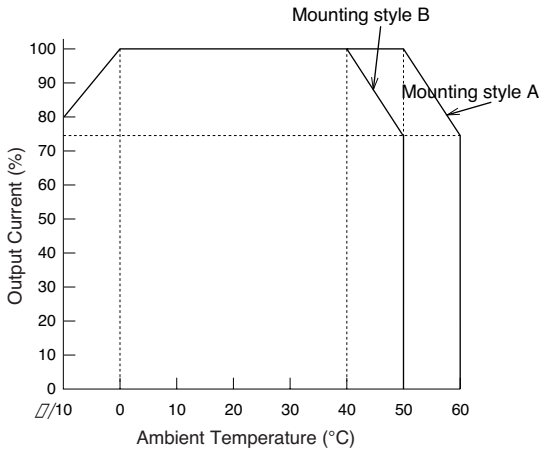
**PS5R-A/B**



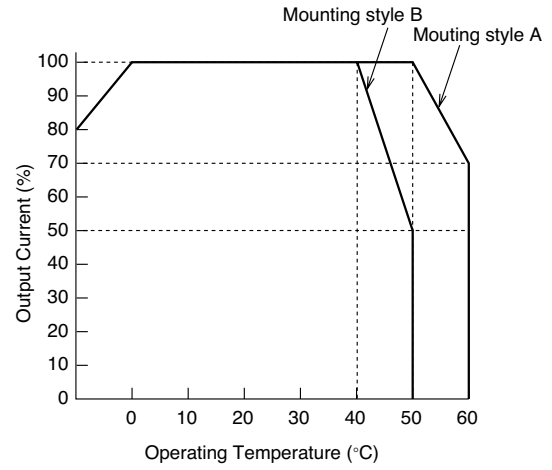
**PS5R-C/D**



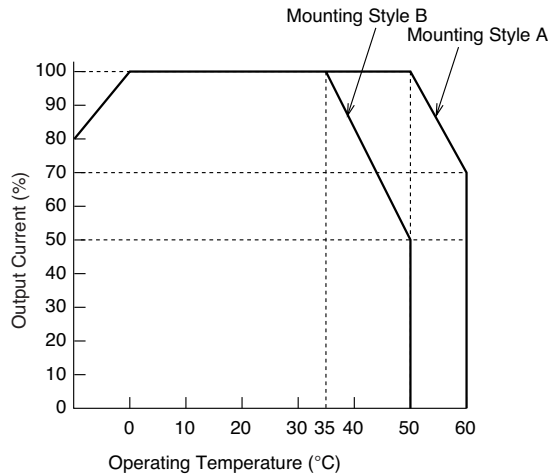
**PS5R-E**



**PS5R-Q**

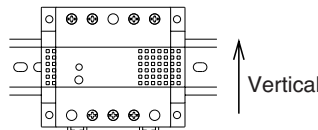


**PS5R-F/G**



**A Mounting**

Mounting Style A □ (standard)



**B Mounting**

Mounting Style B □ (Facing upward)

