



POWER SUPPLIES

IDEC SWITCHING POWER SUPPLIES

PS5R SERIES

DESCRIPTION

The **PS5R Series** of switching and linear power supplies is available with an output of 12 or 24 VDC and output power from 7.5-480W. The output is short circuit protected and regulated. These switching power supplies, which minimize the heat generated in control panels, have a much higher efficiency than linear power supplies. They are small and completely enclosed, and they can be DIN rail or surface mounted.

FEATURES

- Switching models "S" UL file E234997
- Linear models UL file E177168
- Output power from 7.5-480W
- Small size to save panel space
- DIN rail/surface mount enclosure
- Slim-line models to save valuable panel space
- High efficiency operation for minimizing heat generation in control panels
- Time-saving, spring-loaded screw terminals



PS5R-SC



PS5R-A24



PS5R-SC



PS5R-C24

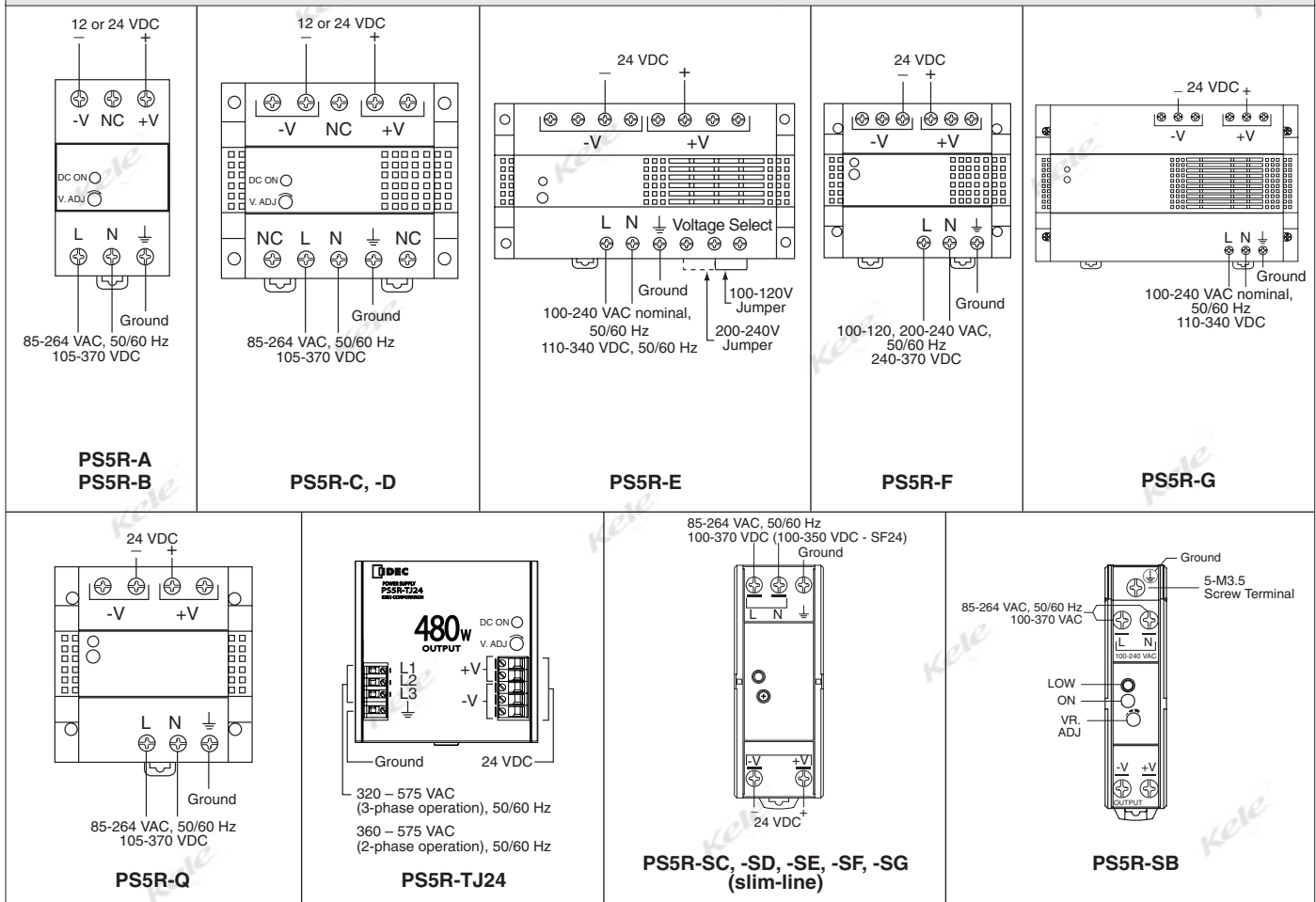


SPECIFICATIONS

Model	Supply Voltage	Supply Current	Supply Frequency	Output Voltage	Output Current	Dimensions	Weight
PS5R-A12	85 to 264 VAC, 105 to 370 VDC	0.17A	50/60 Hz	12 VDC	0.6A, 7.5W	2.95"H x 1.77"W x 2.76"D (7.49 x 4.50 x 7.01 cm)	0.33 lb (0.15 kg)
PS5R-A24	85 to 264 VAC, 105 to 370 VDC	0.17A	50/60 Hz	24 VDC	0.3A, 7.5W	2.95"H x 1.77"W x 2.76"D (7.49 x 4.50 x 7.01 cm)	0.33 lb (0.15 kg)
PS5R-B12	85 to 264 VAC, 105 to 370 VDC	0.3A	50/60 Hz	12 VDC	1.2A, 15W	2.95"H x 1.77"W x 3.74"D (7.49 x 4.50 x 9.50 cm)	0.37 lb (0.17 kg)
PS5R-SB12	85 to 264 VAC, 100 to 370 VDC	0.45A	50/60 Hz	12 VDC	1.2 A, 15W	3.54"H x 0.89"W x 3.74"D (9.0 x 2.25 x 9.50 cm)	0.35 lb (0.16 kg)
PS5R-B24	85 to 264 VAC, 105 to 370 VDC	0.3A	50/60 Hz	24 VDC	0.6A, 15W	2.95"H x 1.77"W x 3.74"D (7.49 x 4.50 x 9.50 cm)	0.37 lb (0.17 kg)
PS5R-C12	85 to 264 VAC, 105 to 370 VDC	0.68A	50/60 Hz	12 VDC	2.5A, 30W	2.95"H x 3.54"W x 3.74"D (7.49 x 9.0 x 9.50 cm)	0.79 lb (0.36 kg)
PS5R-SC12	85 to 264 VAC, 100 to 370 VDC	0.9A	50/60 Hz	12 VDC	2.5A, 30W	3.74"H x 1.42"W x 4.25"D (9.5 x 3.6 x 10.8 cm)	0.55 lb (0.25 kg)
PS5R-C24	85 to 264 VAC, 105 to 370 VDC	0.68A	50/60 Hz	24 VDC	1.3A, 30W	2.95"H x 3.54"W x 3.74"D (7.49 x 9.0 x 9.50 cm)	0.79 lb (0.36 kg)
PS5R-SC24	85 to 264 VAC, 100 to 370 VDC	0.9A	50/60 Hz	24 VDC	1.3A, 30W	3.74"H x 1.42"W x 4.25"D (9.5 x 3.6 x 10.8 cm)	0.55 lb (0.25 kg)
PS5R-D24	85 to 264 VAC, 105 to 370 VDC	1.15A	50/60 Hz	24 VDC	2.1A, 50W	2.95"H x 3.54"W x 3.74"D (7.49 x 9.0 x 9.50 cm)	0.86 lb (0.39 kg)
PS5R-SD24	85 to 264 VAC, 100 to 370 VDC	1.7A	50/60 Hz	24 VDC	2.5A, 60W	3.74"H x 1.42"W x 4.25"D (9.5 x 3.6 x 10.8 cm)	0.63 lb (0.29 kg)
PS5R-Q24	85 to 264 VAC, 105 to 370 VDC	1.1A	50/60 Hz	24 VDC	3.1A, 75W	4.72"H x 3.35"W x 5.51"D (12.0 x 8.5 x 14.0 cm)	1.7 lb (0.8 kg)
PS5R-E24	100-240 VAC nominal, 110-340 VDC	2.5A	50/60 Hz	24 VDC	4.2A, 100W	2.95"H x 3.54"W x 3.74"D (7.49 x 9.0 x 9.50 cm)	0.86 lb (0.39 kg)
PS5R-SE24	85 to 264 VAC, 100 to 370 VDC	2.3A	50/60 Hz	24 VDC	3.75A, 90W	4.53"H x 1.81"W x 4.76"D (11.5 x 4.6 x 12.1 cm)	0.97 lb (0.44 kg)
PS5R-F24	100-120, 200-240 VAC, 240 to 370 VDC	1.8A	50/60 Hz	24 VDC	5A, 120W	4.72"H x 4.53"W x 5.5"D (12 x 11.5 x 14 cm)	1.3 lb (0.59 kg)
PS5R-SF24	85 to 264 VAC, 100 to 350 VDC	1.8A	50/60 Hz	24 VDC	5A, 120W	4.53"H x 1.97"W x 5.1"D (11.5 x 5.0 x 12.9 cm)	1.4 lb (0.6 Kg)
PS5R-G24	100-240 VAC nominal, 110-340 VDC	4A	50/60 Hz	24 VDC	10A, 240W	4.72"H x 7.87"W x 5.51"D (12.0 x 19.99 x 14.0 cm)	4.41 lb (2 kg)
PS5R-SG24	85 to 264 VAC, 100 to 350 VDC	3.6A	50/60 Hz	24 VDC	10A, 240W	4.92"H x 3.15"W x 5.9"D (12.5 x 8.0 x 15.0 cm)	2.2 lb (1.0 Kg)
PS5R-TJ24	320-575 VAC (3-phase), 360-575 VAC (2-phase)	3 x 1.1A, 3 x 0.8A	50/60 Hz	24 VDC	20A, 480W	5.12"H x 4.53"W x 6.00"D (13.0 x 11.5 x 15.25 cm)	4.41 lb (2 kg)



WIRING



ORDERING INFORMATION

MODEL	DESCRIPTION
PS5R-A12	Switching power supply, 12 VDC, 7.5W (0.6A)
PS5R-A24	Switching power supply, 12 VDC, 7.5W (0.3A)
PS5R-B12	Switching power supply, 12 VDC, 15W (1.2A)
PS5R-SB12	Switching power supply, 12 VDC, 15W (1.2A), slim-line
PS5R-B24	Switching power supply, 24 VDC, 15W (0.6A)
PS5R-C12	Switching power supply, 12 VDC, 30W (2.5A)
PS5R-SC12	Switching power supply, 12 VDC, 30W (2.5A), slim-line
PS5R-C24	Switching power supply, 24 VDC, 30W (1.3A)
PS5R-SC24	Switching power supply, 24 VDC, 30W (1.3A), slim-line
PS5R-D24	Switching power supply, 24 VDC, 50W (2.1A)
PS5R-SD24	Switching power supply, 24 VDC, 60W (2.5A), slim-line
PS5R-Q24	Switching power supply, 24 VDC, 75W (3.1A)
PS5R-E24	Switching power supply, 24 VDC, 100W (4.2A)
PS5R-SE24	Switching power supply, 24 VDC, 90W (3.75A), slim-line
PS5R-F24	Switching power supply, 24 VDC, 120W (5A)
PS5R-SF24	Switching power supply, 24 VDC, 120W (5A), slim-line
PS5R-G24	Switching power supply, 24 VDC, 240W (10A)
PS5R-SG24	Switching power supply, 24 VDC, 240W (10A), slim-line
PS5R-TJ24	Switching power supply (3-phase), 24 VDC, 480W (20A)