

SOLAHD DIN Rail Power Supplies



SOLAHD SDP™ LOW POWER DIN RAIL SERIES

Compact DIN Rail power supplies from 5V to 48VDC and power ratings up to 100 watts. These compact and efficient units are designed specifically for the industrial environment.

Features:

- Operational temp range: -10°C to 70°C
- Ultra Slim 15W footprint
- No tools required for mounting
- Adjustable outputs
- PowerBoost™ industrial overload design
- Ovenvoltage, short circuit protection
- Continuous short circuit protection
- Low output noise
- Screw terminal connections
- Simple snap-on for DIN TS35/7.5 or TS35/15 rail system
- Three year warranty
- Dimensions: All units 2.95" x 1.77" x 3.58", except: SDP06-24-100T; 2.95" x 0.9" x 3.8"; SDP4-24-100LT; 2.95" x 2.85" x 3.8"
- Green LED DC "OK" indicator



UL 1950
E137632



CUL/CSA-C22.2
No. 234-M90



EMC and
Low Volt.
Directive



UL 508 Listed
IND. CONT.
EQ.
9HAO, E61379



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	SolaHD Part No.	Power	Input Voltage	Input Current	Output Voltage	Output Current	Efficiency (Typ.)	Price Each		
								1	5	10
663-SDP06-24-100T	SDP06-24-100T	15W	85-264VAC, 90-375VDC	0.4A / 0.25A	24Vdc 22.5-28.5Vdc Adj.	0.6A	>80%	63.62	61.87	59.43
663-SDP5-5-100T	SDP5-5-100T	25W	85-264VAC, 90-375VDC	0.6A @ 102Vac; 0.33A @ 196Vac	5-5.5Vdc 5-6Vdc min Adj.	5.0A	>80%	110.92	99.85	96.79
663-SDP1-24-100T	SDP1-24-100T	30W	85-264VAC, 90-375VDC	0.7A / 0.4A	24Vdc 22.5-28.5Vdc Adj.	1.3A	>83%	87.58	84.16	81.01
663-SDP2-24-100T	SDP2-24-100T	50W	85-264VAC, 90-375VDC	1.1A / 0.7A	24Vdc 22.5-28.5Vdc Adj.	2.1A	>86%	118.94	115.68	111.11
663-SDP2-12-100T	SDP2-12-100T	30W	85-264VAC, 90-375VDC	0.6A @ 102Vac; 0.33A @ 196Vac	12Vdc 9.9-12.1Vdc min Adj.	3.0-2.5A	>80%	127.74	120.76	116.73
663-SDP4-24-100LT	SDP4-24-100LT	100W	85-132/176-264VAC, 210-375VDC	1.8A / 1.0A	24Vdc 22.5-28.5Vdc Adj.	3.8A	>88%	155.81	151.54	145.56
663-SDP3-15-100T	SDP3-15-100T	50W	85-264VAC, 90-375VDC	1.0A @ 102Vac; 0.6A @ 196Vac	15Vdc 11.9-15.1Vdc min Adj.	4.2-3.4A	>86%	137.90	133.52	129.06

SOLAHD SDN-C COMPACT DIN RAIL SERIES

The SDN-C DIN rail power supplies are the next generation of the popular SDN series. These models combine high efficiency and compact size with new visual diagnostic LEDs to offer the most performance available from SolaHD. Sag immunity, Power Factor Correction and parallel operation capability make this series suitable to a variety of industrial applications.

Features:

- Compact packaging saves DIN rail space
- Visual diagnostic LEDs monitor input and output
- 85-264VAC input, 50/60Hz
- Power Factor Correction meets EN61000-3-2
- Adjustable output voltage
- Parallel capability standard
- Operating temperature range: -25°C - 60°C



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Atex
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MOUSER STOCK NO.	SolaHD Part No.	Input		Output Voltage	Output Current (nom.)	Rail Width (in.)	Price Each	
		Voltage (VAC)	Current (nom.)				1	5
Single Phase								
663-SDN5-24-100C	SDN5-24-100C	115/230 auto	1.65A - 0.55A	24V	5A (120W)	1.97	246.96	242.34
663-SDN10-24-100C	SDN10-24-100C	115/230 auto	3.2A - 1.0A	24V	10A (240W)	2.36	394.49	377.27
663-SDN20-24-100C	SDN20-24-100C	115/230 auto	6A / 3A	24V	20A (480W)	3.42	579.00	553.75
3-Phase								
663-SDN5-24-480C	SDN5-24-480C	380/480 auto	3x0.5A / 2x0.7A	24V	5A (120W)	1.97	266.29	246.45
663-SDN10-24-480C	SDN10-24-480C	380/480 auto	3x0.8A / 2x1.2A	24V	10A (240W)	2.36	383.53	354.96
663-SDN20-24-480CC	SDN20-24-480CC	380/480 auto	3x0.9A / 2x1.3A	24V	20A (480W)	2.56	500.00	479.14
663-SDN40-24-480C	SDN40-24-480C	380/480 auto	3x1.6A	24V	40A (960W)	7.09	747.00	694.93

SOLAHD SDN-P DIN RAIL SERIES

The SDN Din Rail power supplies provide industry leading performance. Sag immunity, transient suppression and noise tolerant, the SDN Series ensures compatibility in demanding applications. Power factor correction to meet European directive, hazardous location approvals and optional redundant accessories allow the SDN Series to be used in a wide variety of applications. Wide operation temperature range, high tolerance to shock and vibration and reliable design make the SDN Series the definition of DC power quality.

Features:

- Operational temp range: -10°C - 60°C
- Frequency: 47-63Hz
- Dimensions: 4.88" (H) x 4.55" (D)
- Power factor correction
- Improved metal mounting clip
- Single phase models meet SEMI F47 Sag Immunity
- Green LED and DC OK signal
- Adjustable voltage
- Parallel capability standard on all units
- Highly efficient >90% switching technology
- High MTBF and reliability
- Five year warranty
- User-friendly front panel - screw terminals - easy installation
- Industrial grade design:
 - Rugged metal case and DIN connector
 - Power high inrush loads without shutdown
- Narrow width on rail for space critical applications



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MOUSER STOCK NO.	SolaHD Part No.	Input		Output Voltage	Output Current (nom.)	Rail Width (in.)	Price Each	
		Voltage (VAC)	Current (nom.)				1	5
Single Phase								
663-SDN2.5-24-100P	SDN2.5-24-100P	115/230 auto	1.3A / 0.7A	24VDC	2.5A (60W)	1.97	156.24	143.05
663-SDN4-24-100LP	SDN4-24-100LP	115/230 auto	2.1A / 1.0A	24VDC	3.8A (92W)	2.56	237.15	217.83
663-SDN5-24-100P	SDN5-24-100P	115/230 auto	2.2A / 1.0A	24VDC	5A (120W)	2.56	246.06	227.83
663-SDN10-24-100P	SDN10-24-100P	115/230 auto	5A / 2A typ.	24VDC	10A(240W)	3.26	351.41	322.80

ACCESSORIES FOR DIN RAIL POWER SUPPLIES

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MOUSER STOCK NO.	SolaHD Part No.	Description	Price Each			
			1	5	50	100
653-PFP-100N	FPF-100N	DIN rail, 1M length x 7.3mm wide DIN rail end plate	6.06	5.70	5.38	5.10
653-PFP-M	FPF-M		.65	.51	.50	.49