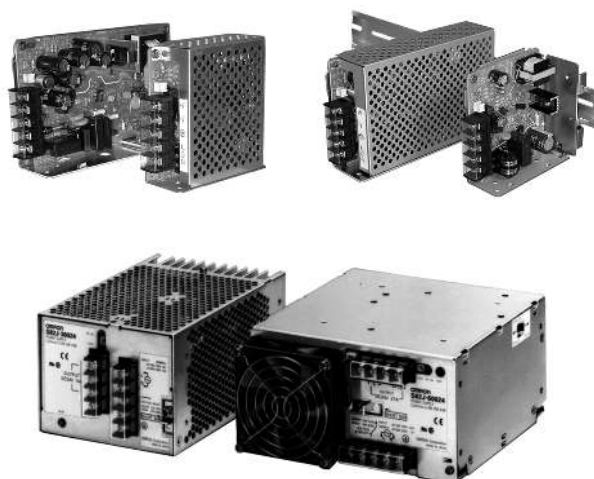


Switching Power Supply

S82J

DIN-Rail Mounting Industrial Power Supplies with Capacity Up to 600 W

- Models range from 10 to 600 W.
- UL 508 approval.
- Class 2 approval available for models below 100 W.
- Universal input or selectable input.
- Wide range of output voltages: 5 V, 12 V, 15 V, or 24 V.
- UL, CSA, VDE, and CE Approvals.
- 3-Year warranty.



Ordering Information

■ OPEN-FRAME TYPE POWER SUPPLIES

Stock Note: Shaded models are normally stocked.

Rated input voltage	Power ratings	Output		Part number	
		Voltage	Current	Front-mounting bracket	DIN-rail mounting bracket
100 to 240 VAC	10 W	5 V	2 A	S82J-01005A	S82J-01005AD
		12 V	1 A	S82J-01012A	S82J-01012AD
		15 V	0.7 A	S82J-01015A	S82J-01015AD
		24 V	0.5 A	S82J-01024A	S82J-01024AD
	25 W	5 V	5 A	S82J-02505A	S82J-02505AD
		12 V	2.1 A	S82J-02512A	S82J-02512AD
		15 V	1.7 A	S82J-02515A	S82J-02515AD
		24 V	1.1 A	S82J-02524A	S82J-02524AD
	50 W	5 V	10 A	S82J-05005A	S82J-05005AD
		12 V	4.2 A	S82J-05012A	S82J-05012AD
		24 V	2.1 A	S82J-05024A	S82J-05024AD
	100 W	5 V	20 A	S82J-10005A	S82J-10005AD
120 or 240 VAC (automatically selected)		12 V	8.5 A	S82J-10012A	S82J-10012AD
		15 V	7 A	S82J-10015A	S82J-10015AD
100 to 240 VAC		24 V	4.5 A	S82J-10024A	S82J-10024AD
120 or 240 VAC (automatically selected)	150 W	24 V	6.5 A	S82J-15024A	S82J-15024AD

COVERED-FRAME TYPE POWER SUPPLIES

Stock Note: Shaded models are normally stocked.

Rated input voltage	Power ratings	Output		Part number	
		Voltage	Current	Front-mounting bracket	DIN-rail mounting bracket
100 to 240 VAC	10 W	5 V	2 A	S82J-01005D	S82J-01005DD
		12 V	1 A	S82J-01012D	S82J-01012DD
		15 V	0.7 A	S82J-01015D	S82J-01015DD
		24 V	0.5 A	S82J-01024D	S82J-01024DD
	25 W	5 V	5 A	S82J-02505D	S82J-02505DD
		12 V	2.1 A	S82J-02512D	S82J-02512DD
		15 V	1.7 A	S82J-02515D	S82J-02515DD
		24 V	1.1 A	S82J-02524D	S82J-02524DD
	50 W	5 V	10 A	S82J-05005D	S82J-05005DD
		12 V	4.2 A	S82J-05012D	S82J-05012DD
		24 V	2.1 A	S82J-05024D	S82J-05024DD
120 or 240 VAC (automatically selected)	100 W	5 V	20 A	S82J-10005D	S82J-10005DD
		12 V	8.5 A	S82J-10012D	S82J-10012DD
		15 V	7 A	S82J-10015D	S82J-10015DD
100 to 240 VAC		24 V	4.5 A	S82J-10024D	S82J-10024DD
120 or 240 VAC (automatically selected)	150 W	24 V	6.5 A	S82J-15024D	S82J-15024DD

ENCLOSED-FRAME TYPE POWER SUPPLIES

Stock Note: Shaded models are normally stocked.

Input voltage	Power rating	Output		Part number
		Voltage	Current	
120 or 230 VAC (selectable)	300 W	24 V	14.0 A	S82J-30024
	600 W	24 V	27.0 A	S82J-60024

- Note: 1. A mounting bracket is included with each power supply.
 2. To order without a mounting bracket (normally included with the 300 W or 600 W), add an "N" at the end of the part number.
 3. For other accessories, refer to the *Accessories* section that follows.

■ ACCESSORIES

Stock Note: Shaded models are normally stocked.

Description	Applicable power supplies	Part number
Front-mounting bracket	for 100-W, 24-V models	S82Y-J10F
DIN-rail	1 m (3.28 ft) length for 10- to 150-W models	PFP-100N/PFP-100N2
	0.5 m (1.64 ft) length for 10- to 150-W models	PFP-50N
Cover	for 10-W models	S82Y-J01K
	for 25-W models	S82Y-J02K
	for 50-W models	S82Y-J05K
	for 100-W, 24-V models	S82Y-J10K
Fan	for 600-W models	S82Y-JFAN
Ferrite ring core (a set of 3 pieces in package)	for 300-W and 600-W models	S82Y-JC-T
Noise filter	for 300-W models for 200 to 230 VAC input	S82Y-JF3-N
	for 600-W models for 200 to 230 VAC input	S82Y-JF6-N

■ MODEL NUMBER LEGEND

S82J -

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1
2
3
4

1. Power ratings

010: 10 W
 025: 25 W
 050: 50 W
 100: 100 W
 150: 150 W
 300: 300 W
 600: 600 W

2. Output voltage

05: 5 V
 12: 12 V
 15: 15 V
 24: 24 V

3. Configuration

A: Open-frame type, front terminals
 B: Covered-type, front terminals
 None: Enclosed-type, front terminals
 with mounting bracket

4. Mounting Bracket

None: Front-mounting Bracket Type
 D: DIN-rail Mounting Bracket Type

Specifications

Item			100 to 240 VAC input				120 or 240 VAC (selected automatically)		120 or 230 VAC (selectable)		
			10 W	25 W	50 W	100 W (24 V)	100 W (5, 12, 15 V)	150 W	300 W	600 W	
Efficiency (typical)			67% min. (77% min. for 50-W, 24-V models)			83% min.	75% min.	82% min.			
Input	Voltage		100 to 240 VAC (85 to 264 VAC) 110 to 170 VDC (set the terminal (L) to + side) (See Note 1.)		100 to 240 VAC (85 to 264 VAC)		120 (85 to 132) or 240 (170 to 264) VAC (selected auto- matically)		120 (85 to 132) or 230 (170 to 253) VAC (selectable)		
	Frequency		50/60 Hz (47 to 450 Hz)								
	Current (See Note 2.)	100 VAC input	0.35 A max.	0.8 A max.	1.4 A max.	2.5 A max.	2.5 A max.	3.5 A max.	8 A max.	14 A max.	
		200 VAC input	0.3 A max.	0.6 A max.	0.8 A max.	1.15 A max.	1.4 A max.	2.1 A max.	4 A max.	7 A max.	
	Leakage current (See Note 2.)	100 VAC input	0.5mA max.								
		200 VAC input	1mA max.								
	Inrush cur- rent (25°C, cold start) (See Note 2.)	100 VAC input	25 A max.								30 A max.
		200 VAC input	50 A max.								60 A max.
	Noise filter		Yes								
Output (See Note 3.)	Voltage adjustment range		±10% (adjustable with variable resistor (V.ADJ))								
	Ripple (See Note 2.)		2% (p-p) max.								
	Input variation influence		0.4% max								
	Load variation influence		0.8% max. (with rated input, 10% to 100% load)								
	Temperature variation influence		0.05%/°C max. (with rated input and output)								
	Startup time		500 ms max. (up to 90% of output voltage at rated input and out- put)							300 ms max. (up to 90% of output voltage at rated input and out- put)	
	Hold time (See Note 2.)		20 ms min.								
Additional function	Overload protection		105% to 160% of rated load current, in- verted L drop/intermittent operation type, automatic reset				105% min. of rated load current, inverted L drop type, automatic reset (For the 600-W model, the circuit will be shut OFF when the overload ex- ceeds 5s. Protection-ON alarm indicator lit (See Note 5.)				
	Overvoltage protection		NO			Yes (See Note 4.)	Yes (5-V output models only) (See Note 4.)	No	Yes, protection-ON alarm indicator lit (See Note 5.)		
	Overheat protection		No							Yes, protec- tion ON alarm indi- cator lit (See Note 5.)	

(This table continues on the next page.)