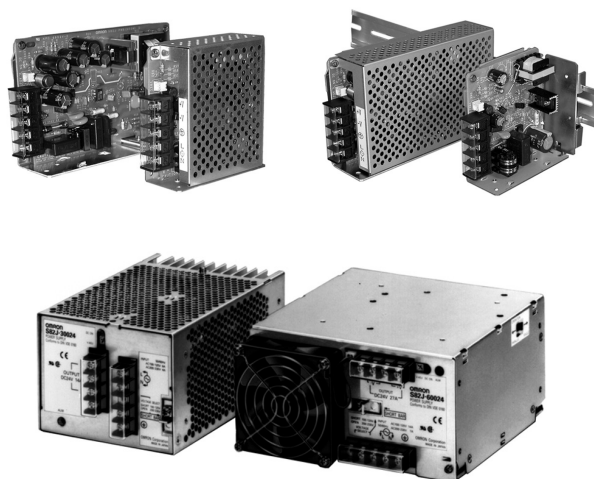


Switching Power Supply S82J

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
	120 or 240 VAC (automatically selected)	100 W	5 V	20 A	S82J-10005A
	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
	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 -

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 automatically)		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 current (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 output)						300 ms max. (up to 90% of output voltage at rated input and output)		
	Hold time (See Note 2.)	20 ms min.								
Additional function	Overload protection	105% to 160% of rated load current, inverted 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 exceeds 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, protection ON alarm indicator lit (See Note 5.)	

(This table continues on the next page.)