

Switch Mode Power Supply (15/30/50/100/150/300/600-W Models)

S8FS-G15024CD



Image

Covered type, 100 to 240 VAC, Power rating 150 W, Output: 24 V, Terminal blocks (Screw terminal), Harmonic current emissions

Power rating	150 W
Output voltage	24 V
Rated input voltage	100 to 240 VAC
Construction	Covered type
Connection	Terminal blocks
Terminal type	Screw terminal

Specifications

As of March 3, 2019

Power rating		150 W
Output voltage		24 V
Efficiency		87% typ. (at 100 VAC input) 89% typ. (at 200 VAC input) 90% typ. (at 230 VAC input)
Input	Rated input voltage	100 to 240 VAC
	Allowable input voltage variable range	85 to 264 VAC (Single phase) 80 to 370 VDC
	Frequency	50/60Hz (47 to 450 Hz)
	Rated input current	3 A typ. (at 100 VAC input) 1.8 A typ. (at 200 VAC input)
	Leakage current	0.5 mA max. (at 100 VAC input) 1 mA max. (at 200 VAC input)
	Inrush current	14 A typ. (For cold start at 25 °C) (at 100 VAC input) 28 A typ. (For cold start at 25 °C) (at 200 VAC input)
Output	Rated output current	6.5 A
	Output voltage variable range	-10 to +15% With V.ADJ
	Ripple	110 mV(p-p) max. at 100 to 240 VAC input
	Static input variation influence	0.5% max.
	Static load variation influence	1% max.
		0.05%/°C max.

	Ambient temperature variation influence	
	Start up time	1000 ms max. (at 100 VAC input) 1000 ms max. (at 200 VAC input)
	Hold time	10 ms typ. (at 100 VAC input) 55 ms typ. (at 200 VAC input)
Additional functions	Overload protection	Yes, Automatic reset
	Overvoltage protection	Yes, Shut off the input voltage and turn on the input again
	Overheat protection	No
	Series operation	Yes (Up to 2 Power Supplies with external diode)
	Parallel operation	No (However, backup operation is possible, external diodes required.)
	Output indicator	Yes (color: green)
	Remote sensing function	No
	Remote control function	No
Insulation	Dielectric strength	Between all input terminals and all output terminals: 3 kVAC for 1 min, Cut-off current: 20 mA Between all input terminals and PE terminals: 2 kVAC for 1 min, Cut-off current: 20 mA Between all output terminals and PE terminals: 1 kVAC for 1 min, Cut-off current: 20 mA
	Insulation resistance	Between all output terminals and all input terminals/PE terminals: 100 MΩ min., at 500 VDC
Environment	Vibration resistance	10 to 55 Hz, 4.5 G max., 0.375 mm single amplitude in each 3 directions for 2 hours
	Shock resistance	150 m/s**2, in each 6 directions 3 times
	Altitude	3000 m
	Ambient temperature (Operating)	-20 to 70°C
	Ambient temperature (Storage)	-25 to 75°C
	Ambient humidity (Operating)	0 to 90%
	Ambient humidity (Storage)	0 to 90%
Reliability	Life expectancy	10 years min. (at rated input, a load rate of 50% load, under the temperature of 40 °C max., standard mounting)
Construction	Construction	Covered type
	Connection	Terminal blocks
	Terminal type	Screw terminal
	Mounting	DIN track mounting
	Cooling fan	Cooling fan No
	Weight (Main)	Approx. 500 g

Note

Do not use the Inverter output for the Power Supply. Inverters with an output frequency of 50/60 Hz are available, but the rise in the internal temperature of the Power Supply may result in ignition or burning.

Dimension

