

■ Features

- Single output from 50-65W
- Input voltage range: 90-264V
- Output current(500mA-10000mA)
- 2"x 4" form factor
- Efficiency to 85%
- Protections: OVP, SCP, and OVP
- Single to triple outputs
- Class 1 & Class 2 options
- Cover kit accessory available



*Product images are for illustrative purposes only and may vary from actual design.

■ Applications

- Network system, telecommunication system, storage system, industrial equipment, and consumer electronics

■ Model List*(See part number scheme for model number details)

Model Number	Input Voltage	Output Power	Output Voltage	Output Current Min.	Output Current Max.	Efficiency	Certificates
SPJ60-051-XY	90-264Vac	50W	5.2V	0	10A	85%	UL/cUL
SPJ60-120-XY	90-264Vac	60W	12V	0	5.4A	85%	UL/cUL
SPJ60-150-XY	90-264Vac	65W	15V	0	4.33A	85%	UL/cUL
SPJ60-240-XY	90-264Vac	65W	24V	0	2.7A	85%	UL/cUL
SPJ60-480-XY	90-264Vac	60W	48V	0	1.35A	85%	UL/cUL
SPJ60-3000-XY	90-264Vac	60W	V1=5.2V	V1=0.5A	V1=8A	85%	UL/cUL
			V2=12.5V	V2=0.1A	V2=3A		
			V3=12.8V	V3=0A	V3=0.5A		
SPJ60-3001-XY	90-264Vac	60W	V1=5.2V	V1=0.5A	V1=8A	85%	UL/cUL
			V2=23.8V	V2=0.1A	V2=1.5A		
			V3=12.8V	V3=0A	V3=0.5A		
SPJ60-3002-XY	90-264Vac	60W	V1=5.2V	V1=0.5A	V1=8A	85%	UL/cUL
			V2=14.6V	V2=0.1A	V2=2.5A		
			V3=16.2V	V3=0A	V3=0.5A		

■ Technical Data

AC Input	90-264Vac
Input Frequency	47-400Hz
Input Current	120Vac:1.5A max 230Vac: 0.75A max
No Load Power	<0.3W for single output models, <0.5W for multi output models
Inrush Current	120Vac: 30A max., 230Vac: 60A max.
Leakage Current	120Vac: <500µA, 230Vac: <1000µA
Hold-up Time	>10ms@120Vac Typical
Output Power	50-65W
Line Regulation	±0.3%
Load Regulation	V1: ±0.5%. V2 & V3: ±5%

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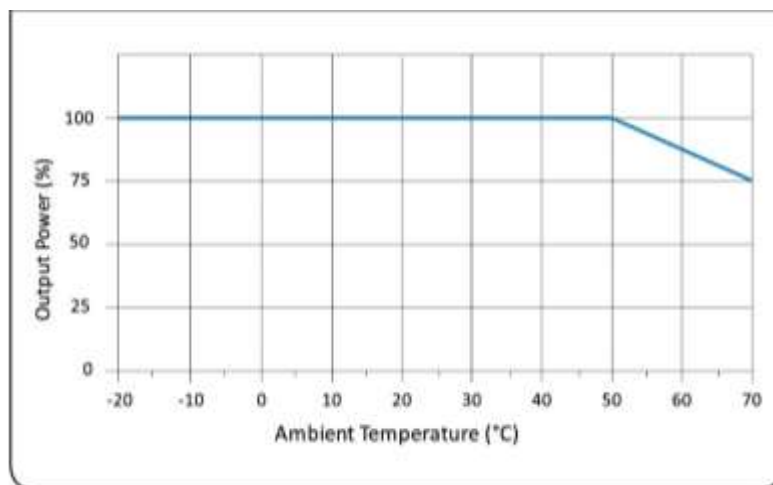
■ Technical Data(cont.)

Transient Response	<10%, 50% to 100% load change, 50/60Hz, 50% duty cycle, 0.1A/μs, recovery time <5ms
Rise Time	<100ms
Set Point Tolerance	V1: ±3%; V2 & V3: ±5%
Output Adjustability	V1: ±10%
Over Current Protection	130% typical above rating
Over Voltage Protection	130% typical for V1 only
Short Circuit Protection	Short term, auto recovery
Switching Frequency	Approximately 67kHz
Operating Temperature	-20-70°C, refer derating curve; -20-0°C, start-up is guaranteed
Storage Temperature	-40-+85°C
Relative Humidity	95% Rh, noncondensing
Altitude	Operating: 10,000ft.; Nonoperating: 40,000 ft.
MTBF	1.87m Hours, Telcordia-SR332-issue 3
Isolation Voltage	Min. 4242 Vdc between input to output
Cooling	Convection

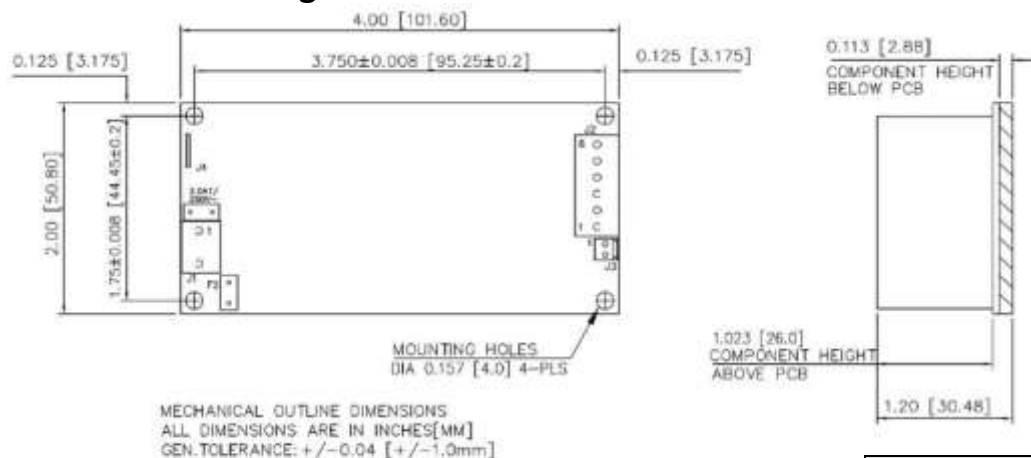
■ Safety and EMC Approval

CE Mark	Complies with LVD Directive
Conducted Emissions	EN55022-B, CISPR22-B, FCC Par15-B
Static Discharge	EN61000-4-2, Level-3
RF Field Susceptibility	EN61000-4-3, Level-3
Fast Transients/Bursts	EN61000-4-4, Level-3
Radiated Emissions	EN55022-B, CISPR22-B, FCC Par15-B to be controlled in end system
Surge Susceptibility	EN61000-4-5, Level-3
Harmonic Current	EN61000-3-2, Class A
Safety Standards	IEC60950-1(2 nd edition), EN60950-1, UL60950-1(2 nd edition), CSA C22.2 No. 60950-1(2 nd Edition), Class 1 SELV
Approval Agency	Nemko, UL, cUL

■ Derating Curve



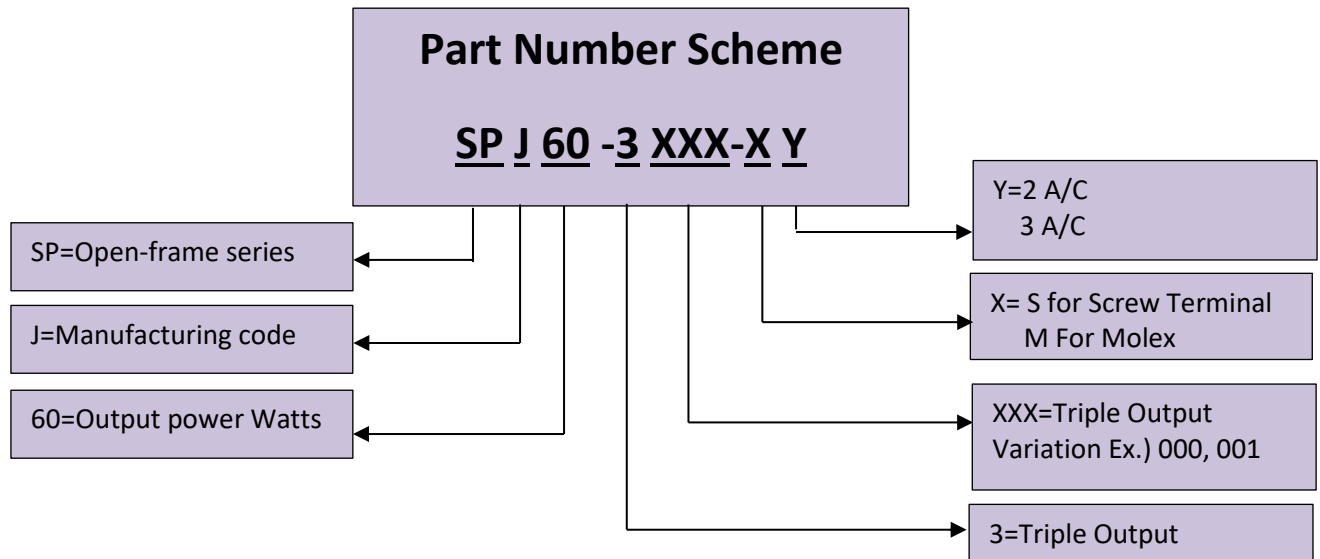
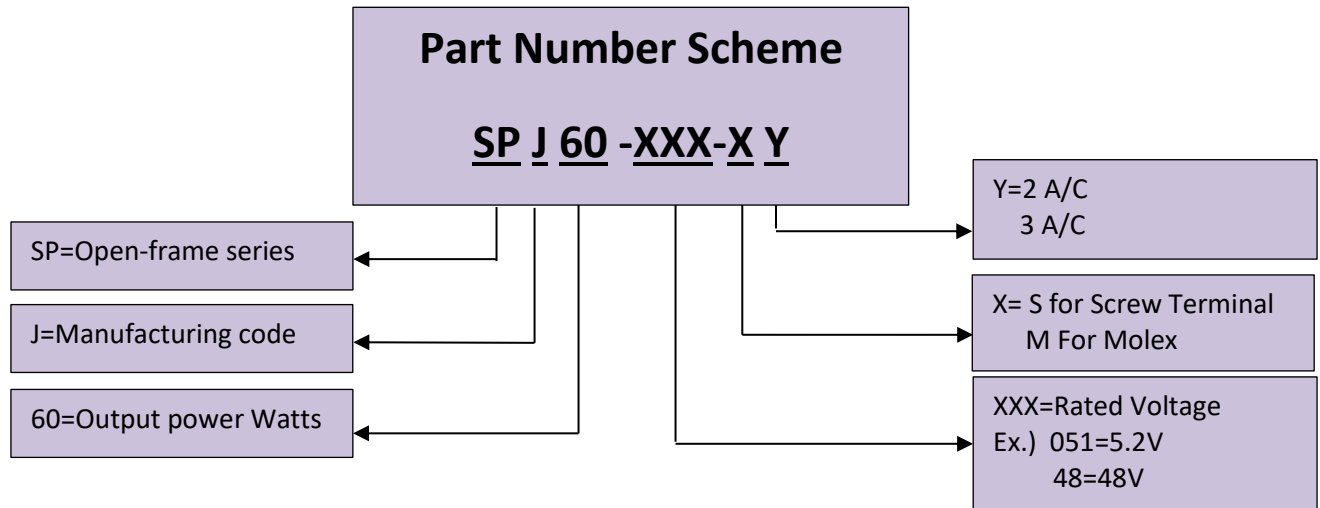
■ Mechanical Diagram



- Notes: In case the PCB is mounted in a metal enclosure, using metal hardware ensure the following
1. Stand off, used to mount PCB has OD of 5.4 mm max.
 2. Screws, used to fix PCB on stand off, have head dia of 6.0 mm max.
 3. Washer, if used, to have dia of 6.5 mm max.

Mechanical Specifications	
AC Input Connector (J1)	Molex: 26-60-4030 or equivalent Mating: 09-50-3031; Pins: 08-50-0106
Earth	Molex: 19705-4301 Mating: 190030001
DC Output Connector (J2)	Tyco: 640445-6 or equivalent Mating: 647402-6; Pins: 3-647409-1
Signal Connector (J3)	Molex: 22-23-2021 or equivalent Mating: 22-01-2021
Dimensions	4x2x1.2 in. (101.6x50.8x30.48mm)
Weight	150g

Connectors		
J1	Pin 1	AC Neutral
	Pin 2	AC Line
Spade Connector		Earth
J2	Pin 1	V1
	Pin 2	V1
	Pin 3	RTN
	Pin 4	RTN
	Pin 5	V3
J3	Pin 1	+V1 Sense
	Pin 2	-V1 Sense



*Product images are for illustrative purposes only and may vary from actual design.

*Specifications are subject to change without notice. Autec is not responsible for issues arising from errors or omissions.