

DC Input 1U Open Frame 15W
Industrial Switching Mode Power Supply

Series	Model No.	Output Watts	Input Voltage	Input Voltage range	Polarity reverse protection
12	STC-1215XXX	15W continuous	12V DC	±9 ~ ±17V DC	Auto recovery by same type of fuse replacement
24	STC-2415XXX	15W continuous	24V DC	±18 ~ ±36V DC	Auto recovery by same type of fuse replacement
48	STC-4815XXX	15W continuous	48V DC	±37 ~ ±71V DC	Auto recovery by same type of fuse replacement
120	STC-12015XXX	15W continuous	120V DC	±90V ~ ±145V DC	Auto recovery by same type of fuse replacement
220	STC-4815XXX	15W continuous	220V DC	±190V ~ ±245V DC	Auto recovery by same type of fuse replacement

ENVIRONMENTAL CONDITIONS:

- Cooling: Convention cooling
- Operating Temperature: 0°C ~+65°C (Full Load)
- Operating Humidity: 20%~85% RH. (Non condensing)
- Storage Temperature: -20°C ~+85°C
- Storage Humidity: 10%~90% RH. (Non condensing)
- Operating Altitude: 10M Below Sea level to 3000M Above Sea level

DC INPUT CHARACTERISTICS:

- Input connector type: 15A/300V UL Approved 2-Pin Terminal
- Input Current: 1.5A(max) @Full Load & Low Line
- Inrush Current: Less than 10A Cold start @25ºC ambient

DC OUTPUT CHARACTERISTICS:

Output Voltage	Regulation			Output Current 15W		Ripple & Noise
	Load	Line	Cross	Min.	Max.	
5V ~ 25V DC	±5%	±1%	±5%	0A	open	
Total combined continuous maximum output power				**15W**		**Watts**

OVERALL PERFORMANCE:

- Efficiency: 88% typical @ 120V and 220V DC Full load

Efficiency	80% typical @ 48V DC Full load
	75% typical @ 24V DC Full load
	70% typical @ 12V DC Full load
Short Circuit Protection (SCP)	All output equipped with SCP (shutdown and latch off)
Over Power Protection (OPP)	Peak power protected to 130%±10% of continuous rated power (shutdown and latch off)
Over Voltage Protection (OVP)	All output 130% of each output voltage

RELIABILITY:

MTBF (Mean Time Between Failure):	>75 000 hours @max. Load & 25°C ambient
Safety Standards:	Meet IEC60950-1, EN60950-1
Safety Approved:	
EMI Compatibility (EMC) Standard:	EN55032:2015/AC:2016, CISPR32:2015, EN61000-3-2:2014, EN61000-3-3:2013, EN55024:2010 +A1:2015

ISOLATION:

INPUT and OUTPUT are isolated by transformers and optical couplers	
Dielectric Withstand	INPUT to OUTPUT: 1500V DC for 60 seconds,
Dielectric Withstand	INPUT to FRAME GROUND: 1500V DC for 60 seconds
Leakage Current	<0.005μA @ 250V DC

Input & Output Device Connector Specific:

Connector type — Optional Terminal

Power PCB Dimension:

100 (L) x 35 (w) x 35 (H) mm / 3.93 (L) x 1.38 (W) x 1.38(H) Inches

Optional plastic enclosure:

