UP0651S-()() SERIES

65 Watt Open Frame Switchers

- Small Size 3"X 5" Footprint
- Universal Input 90 to 264 VAC
- ◆ Conductive EMI Meets FCC/CISPR 22 Class B
- Overvoltage Protection
- Continuous Short Circuit Protection









SPECIFICATIONS

All specifications are typical at nominal line, full load and 25°C unless otherwise noted.

INPUT SPECIFICATIONS

Input Voltage Range	90-264VAC
Input Frequency	47-63 Hz
Inrush Current	40A max.(Cold Start)
Line Regulation ¹	± 0.5%

GENERAL SPECIFICATIONS

Hold-up Time	16mS typ.
Efficiency	75% typ.
Leakage Current	3mA max.
Short Circuit Protection	Continuous
Overvoltage Protection	All models
Overload Protection	. 120-200% of rated value
Continuous Output Power	65W max.

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature Rar	nge 0°C to 70°C
Derating 50°C to 70°C	2%/°C
Temperature Coefficient	± 0.02%/°C
Storage Temperature Range	e –40°C to +85°C
Humidity, Non-Condensing	0 to 95% RH
Cooling	Free- Air Convection
EMI Filter(on Board):	
Conducted	Meets FCC/CISPR 22 Class B
	Specification

NOTE:

1. Measured from 90 to 264 VAC.

OUTPUT SPECIFICATIONS

Model Number	Output ¹ Voltage (Volts)	Output Current (Amps)		Peak ² (Amps)	Ripple ³ P-P (mV)	Load Regulation⁴ Load Change 0-100%	Output voltage polarity
		Min.	Rated				
UP0651S-01	5	0.0	12	14.0	50	± 0.5%	Output may
UP0651S-02	12	0.0	5.4	6.5	120	± 0.5%	be referenced
UP0651S-03	15	0.0	4.3	5.2	150	± 0.5%	positive or
UP0651S-04	24	0.0	2.7	3.7	240	± 0.5%	negative

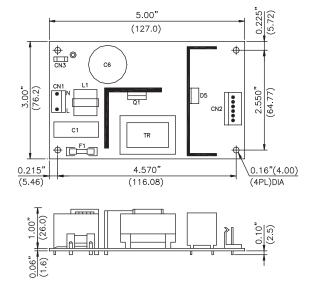
NOTES:

- 1. The output voltage is set to \pm 1%, with all the outputs at rated load. And the adjustable range is \pm 5%.
- 2. Peak output current lasting less than one minute with duty factor less than 5%. During peak loading voltage may exceed regulation limits.
- 3. Add a 0.1uF ceramic capacitor and a 10uF E.L. capacitor to the output cable. Peak to peak and RMS metering equipment shall have a 20 MHz response with probes and cables maintaining frequency response from 200 Hz to 100MHz bandwidth. Output ripple and spikes are measured directly at the output terminals of the power supply without the use of the probe ground clip.
- 4. Load regulation is measued at 115VAC or 230VAC input, and by varying the load from 0% to 100% of rated load.
- 5. Replace input line fuse with same type rating. Recommended 3A/250 VAC or 3.15A/250VAC time lag fuse.

PHYSICAL SPECIFICATIONS

Weight: 265g

MECHANICAL OUTPUT AND PIN CONNECTION



CN1 input connector				
Molex 09-65-2058 with second and fourth pin removed				
Pin	Input voltage			
L&N	90-264 VAC			
Molex mating connector				
Molex 5195 series				
housing with 5194 series crimp terminals				

CN2 output connector Molex pin 09-65-2068		
Model		
Pin	UP0651S-XX	
1		
2	Vo	
3		
4		
5	Common	
6		
Molex mating connector		
Molex 5195 series		
housing with 5194 series crimp terminals		

CN3 input ground tab, tab size 4.8*0.5(mm)

With receptacle for 4.8*0.5(mm) tab

NOTES:

- 1. All dimensions in inches (mm)
- 2. Tolerance .XX =± 0.05 .XXX =± 0.020

