

Switching mode power supply

Rain-proof Switching Power Supply

Single Output Switching Power Supply

Features

- High efficiency, high reliability, water proof
- AC input range selected by switch
- 100% full load burn-in test
- PROTECTION: Short circuit/Over load/Over voltage
- Forced air cooling by built in DC fan
- Built-in cooling Fan ON-OFF control
- Fixed switching frequency at 66KHz
- 1 year warranty
- Dimensions: 194*126*107mm(L*W*H)

MODEL		5V	TM-ES100R12V	15V	24V
OUTPUT	DC Voltage	5V	12V	15V	24V
	Voltage Tolerance	±1%	±1%	±1%	±1%
	Rated Current	18A	8.5A	6.7A	4.2A
	Current Range	0-18A	0-8.5A	0-6.7A	0-4.2A
	Rated Power	90W	102W	100.5W	100.8W
	Ripple & Noise	80mVp-p	100mVp-p	100mVp-p	100mVp-p
	DC Adjustment Range	±10%	±10%	±10%	±10%
	Setup, Rise, Hold Time	300ms,150ms,20ms			
INPUT	Voltage Range	90~132VAC/180~264 VAC 47~63Hz			
	AC Current	1.9A/115 1A/ 230 V			
	Efficiency	80%	83%	83%	85%
	Inrush Current	Cold start 50A/230V			
	Leakage Current	<1mA/240VAC			
PROTECTION	Over Load	115%~160% Protection:Current limiting, recovers automatically after fault condition is removed			
	Over Voltage(V)	115%~135% Protection: Hiccup mode, recovers automatically after fault condition is removed			
ENVIRONMENT	Working Temp., Humidity	-10°C~60°C, 20%~90 %RH			
	Storage Temp., Humidity	-20°C~85°C, 10%~95 %RH			
SAFETY	Vibration	10~500Hz, 2G 10min./1cycle, period for 60min, each along X, Y, Z axes			
	Withstand Voltage	I/P-O/P: 1.5KVAC I/P-FG 1.5KVAC O/P-FG: 0.5KVAC			
	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 100M Ohms/500VDC			
STANDARD	Safety Standard	Design refer to UL1012, EN60950			
	EMC Standard	Design refer to EN55022,EN55024,EN61000, IEC801-2,3,4, IEC555-2			
OTHERS	Weight				
	Packing				
NOTE	1.All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.				
	2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1μ & 47μ parallel capacitor.				
	3.Tolerance: includes set up tolerance, line regulation and load regulation.				

