

Features

- IP66 Grade High Efficiency LED Driver
- Dimming (0-10V Analog dimming)
- Input UV/OV Protection
- Output short circuit Protected
- Operation up-to 50°C ambient
- Thermal Shutdown at 70°C Case Temperature
- Regulatory compliance (BIS Certification pending)



Performance Specifications and Protections

Parameter	Value	Comment
Maximum Output Power (Peak)	935W	78V, 12A
Output Voltage Range	50-90V	Software programmable value
Maximum Output Current	12A	Software programmable value
Efficiency (@ 240Vac, 100% load)	≥93%	
Output Over Voltage / Under Voltage Protection	95V /40V	Software programmable value
Steady State current accuracy	1%	Charging current is within +/-1% [or 100mA] of limit set by software / BMS
Output Voltage Ripple	2% of rated output voltage	RMS Voltage ripple measured with resistive load
Output Current Ripple	5% of Max Current	RMS Current ripple measured with resistive load
Standby AC Power consumption	2W	
Dimming	0-10V	Power can be set from 100W to max power by applying external 0-10V
Output Overload Protection	>950W	Software programmed value 940W (approx.)
Maximum Input surge voltage	6000V	As per IEC61000-4-5
Charger body earthing	1mΩ	Max resistance between input earth to Charger body
Isolation - Input to output	1500 V-rms	
Isolation – Input and Output to Chassis	1500 V-rms	

Input and Environment Specification		
Parameter	Value	Comment
Absolute Maximum Input Voltage range	170V-275V AC	Undervoltage lockout at 170Vac Reduced performance between 170V to 207Vac
Input Voltage range for 100% performance	207-230-265V, 47-53Hz	IS 12360 Standard
AC Power Factor	99%	Above 15% of rated power
Operating temperature	-20 to 50°C	100% performance up to 40°C; Reduced power from 40°C to 50°C
Storage temperature	-20 to 85°C	
Relative Humidity	0 to 95%	

Mechanical Packaging and Interconnection Requirement		
Parameter	Value	Comment
Mounting Holes	4 holes	
Mounting orientation	Table top / Wall Mount	
Input wire	1 Sq. mm x 3 core (IS 1293 compliant)	0.5 meter length cable
Output wire	2.5 Sq. mm 2 core	0.5 meter length cable (can be customized)
CAN Connection	Free wire	CAN High, CAN Low, CAN Gnd
Cooling	Forced Fan cooling	
Enclosure material	Aluminum	
Overall dimension	235mm x 152mm x 95mm	
Weight	3.5 Kg $\pm$ 0.3 Kg	