



Specification for OEM capacitor charging power supply with PFC and low voltage auxiliary power supply.

Description

The capacitor charger will operate from a universal mains input. It will incorporate active power factor correction and is intended to be installed within an OEM system. The module will also include a 24V, 30W auxiliary power supply for powering the customers additional control electronics.

The power supply is intended to meet the requirements of BSEN60601-1 when installed in the customer chassis.

Specification

Input Voltage	100V to 240V (90V- 264V)
Input Current	<3 Amps
Input Frequency	50Hz to 60Hz
Earth Leakage Current	Less Than 500uA
Input Protection	2 x T rated Fuses
Output Capacitor Charge rate	300 Joules per second.
Output Capacitor Charge Voltage	400V max
Voltage program	0V to 10V = 0V – Rated Output Voltage
Voltage Monitor	0V to 10V = 0V – Rated Output Voltage
Output Enable	TTL pull high or low
Auxiliary Voltage Output	24V, 1.25A powers on with mains input
Aux Output Ripple	1% Pk to Pk
Aux Output Load Reg	+/- 1%

Protected against short circuit, open circuit, overload and over temperature

Temperature	Operating 5 to 40 °C, Storage 5 to 85°C
Environmental	Non-condensing humidity below 75% RH
Mechanical	PCB for mounting in customer enclosure
Dimensions	Nominally 75mm x 200mm x 70mm
Weight	>2kg

The above specifications are subject to change