



Technical Specification

Modal No.	OD-MPPT-SMU-12/24-100/45
Technology	MPPT
Product Series	OD-MPPT-SMU
Battery Operating Mode	12V/ 24V
SPV (Pmax)	700W (12V Battery)/ 1.4KW (24V Battery)
Solar Input Voltage (Voc max)	100Voc (Open Circuit Voltage)
Solar Input Voltage (Voc min)	60V (12V Battery), 60V (24V Battery)
Charging Method	MCCV Mode
Battery Type	Lead- Acid (Tubular/SMF)
Grid Disconnect Battery Voltage	13.8V/ 27.6V
Grid Reconnect Battery Voltage	12.2V/ 24.4V
Self-Power Consumption	<2W
Max Charging Current	45A
Display	16x2 Character Display (Continuous Working)
Parameters Displayed on LCD	Solar Voltage (Vsol), Solar Current (Isol), Solar Power (Sol PWR), Battery Voltage (Vbat), Charging Current (Ichg), Solar Panel Generated Unit, Power Save ON/OFF, Mains Connect/ Disconnect
Indications	Solar Reverse, Battery Reverse/Fuse Blown, SMU LED
SMU Connection	5 Pin Socket (16Amp)/ 3 Core cable (mains) (P-N-E)
Switches	Power ON/OFF, SMU BYPASS
Solar Reverse Current Protection	Yes
Battery Reverse Protection	Yes(2 Fuse)
Fuse Protection	Yes (Externally Accessible)
Spare Fuse Provided	Yes
Switching Element	MOSFET
Efficiency	Up to 95%
Cooling	Fan (Forced Air Cooling) with adaptive Controlling for Longer Life. Fan turns on once the Charging Current goes above 6A and turns off when it goes below 4A.
Connection	Bakelite Screw Terminal
Enclosure Type	MS (Ivory Color)
Mounting Type	Retrofit Wall Mounted
Temperature	0°C TO 55°C
Product Dimensions (L*W*H)	30 *16 *12 CM
Packaging Dimensions (L*W*H)	35 *20 *16 CM
Weight	3Kg