



## Technical Specification

<b>Modal No.</b>	OD-MPPT-SMU-24/48 -100/45
<b>Technology</b>	MPPT
<b>Product Series</b>	OD-MPPT-SMU
<b>Battery Operating Mode</b>	24V/48V
<b>SPV (Pmax)</b>	1.4KW (24V)/ 2.8KW (48V)
<b>Solar Input Voltage (Voc max)</b>	100Voc (Open Circuit Voltage)
<b>Solar Input Voltage (Voc min)</b>	60V (24V Battery), 72V (48V Battery)
<b>Charging Method</b>	MCCV Mode
<b>Battery Type</b>	Lead- Acid (Tubular/SMF)
<b>Grid Disconnect</b>	27.6V/ 55.2V
<b>Grid Reconnect</b>	24.4V/48.8V
<b>Self-Power Consumption</b>	<2W
<b>Max Charging Current</b>	45A
<b>Display</b>	16x2 Character Display (Continuous Working)
<b>Parameters Displayed on LCD</b>	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
<b>Indications</b>	Solar Reverse, Battery Reverse/Fuse Blown, SMU LED
<b>SMU Connection</b>	3 Screw Bakelite Connector /3 Core cable (mains)(P-N-E)
<b>Switches</b>	Power ON/OFF, SMU BYPASS
<b>Solar Reverse Current Protection</b>	Yes
<b>Battery Reverse Protection</b>	Yes(2 Fuse)
<b>Fuse Protection</b>	Yes (Externally Accessible)
<b>Spare Fuse Provided</b>	Yes
<b>Switching Element</b>	MOSFET
<b>Efficiency</b>	Up to 95%
<b>Cooling</b>	Fan (Forced Air Cooling) with adaptive Controlling for Longer Life. <b>Fan turns on once the Charging Current goes above 6A and turns off when it goes below 4A.</b>
<b>Connection</b>	Bakelite Screw Terminal
<b>Enclosure Type</b>	MS (Ivory Color)
<b>Mounting Type</b>	Retrofit Wall Mounted
<b>Temperature</b>	0°C TO 55°C
<b>Product Dimensions (L*W*H)</b>	30 *16 *12 CM
<b>Packaging Dimensions (L*W*H)</b>	35 *20 *16 CM
<b>Weight</b>	3 Kg