



## Technical Specification

<b>Modal No.</b>	OD-MPPT-SCC-LOAD-12/24-50/60
<b>Technology</b>	MPPT
<b>Product Series</b>	OD-MPPT-SCC-LOAD
<b>Battery Operating Mode</b>	12V/ 24V
<b>SPV (Pmax)</b>	1W (12V Battery)/ 2KW (24V Battery)
<b>Solar Input Voltage (Voc max)</b>	50Voc (Open Circuit Voltage)
<b>Solar Input Voltage (Voc min)</b>	18V (12V Battery), 36V (24V Battery)
<b>Charging Method</b>	MCCV Mode
<b>Battery Type</b>	Lead- Acid (Tubular/SMF)
<b>Self-Power Consumption</b>	<2W
<b>Maximum Charging Current</b>	60A
<b>Load Type</b>	12V/24V
<b>Load Disconnect Voltage</b>	10.5V/21.6V
<b>Load Reconnect Voltage</b>	12.6V/25.2V
<b>Load Power</b>	300W
<b>Load Current</b>	20A
<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
<b>Indications</b>	Solar Reverse, Battery Reverse/Fuse Blown LED
<b>Switch</b>	Power ON/ OFF, Load ON/OFF
<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