

# ER-40MSCC

Solar System Voltage	12/24V Auto work
Electrical	
PV Operating Voltage	18~150Vdc@12V 35~150Vdc@24V 50~150Vdc@36V 60~150Vdc@48V
Max. PV Input Power	12V 600W 24V 1200W 36V 1700W 48V 2300W
Rated Input Current	40A
Rated DC Load Current	40A
Self Consumption	2W
Conversion Efficiency	97.5%
Protection	PV array short circuit, over charging, battery reverse polarity, output short circuit
Battery Charging	
Battery Type	Sealed Gel AGM Flooded Lithium Battery
Charge Algorithm	4 stage: Bulk, Absorption, Float, Equalize charging
Bulk Charge Voltage	Sealed: 14.4V AGM 14.2V Gel:14.2V Flooded:14.6V User defined:10-15V
Float Charge Voltage	Sealed/Gel/AGM:13.8V Flooded:13.7V User defined:10-15V
Equalize Charge Voltage	Sealed 14.6V AGM:14.8V Flooded:14.9V
Load Disconnect Voltage	10.5V ~12V Adjustable
Load Reconnect Voltage	12.5V
Temperature Compensation	5MV/°C/2V with BTS
Physical	
Net Weight	3.3kg
Gross Weight	4kg
Dimension(mm)	220*170*90mm
Cooling	Heatsink cooling
Enclosure	IP45
Environment	
Ambient operating temperature	-25°C~60°C
Storage Temperature	-40°C~80°C
Humidity	5%-95% non-condensing
Warranty	Two years

- Technical data for 12V system at 25°C, twice in 24V system rate, triple in 36V system and quadruple in 48V system rate.

