



## ERI-30MSCC

Solar System Voltage	12/24V Auto work
<b>Electrical</b>	
PV Operating Voltage	18~100Vdc@12V 35~100Vdc@24V
Max. PV Input Power	12V 400W / 24V 800W
Rated Input Current	30A
Rated DC Load Current	30A
Self Consumption	2W
Conversion Efficiency	97.5%
Protection	PV array short circuit, over charging, battery reverse polarity, output short circuit
<b>Battery Charging</b>	
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
<b>Physical</b>	
Net Weight	1.9kg
Gross Weight	2.2kg
Dimension(mm)	210*160*80
Cooling	Heatsink cooling
Enclosure	IP45
<b>Environment</b>	
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