

Features

- 12V/24V auto
- Aluminum frame, can be used in all kinds of harsh environment
- Dual wave or multiple peaks tracking technology ,when the panels are shadows shade or part of the panels are damaged ,I-V curve will appear multiple wave ,controller still can accurately track the maximum power point
- The use of advanced digital power technology ,Circuit energy conversion efficiency is as high as 98%
- Multiphase control technology ,with automatic current-limiting charging mode ,reducing the ripple , Improving the system efficiency
- High speed high performance dual processor architecture ,improve the response speed of the system , optimize the performance of the system
- RS - 232, the RS485 communication way to maximize meet the needs of different occasions
- Support for data storage , Storage time for 5 year
- Four stages of optimizing charging control:MPPT-Equalizing charge -Improve charging-Floating charge
- Protection:over heat,over charging,Input/output reverse connection ,short circuit ,TVS lightning protection



Specifications

Models	CMP-20	CMP-30	CMP-40
Rated Charge	20A	30A	40A
Battery Voltage	12/24VDC		
Absorb Charge Voltage	14.6VDC (*2/24VDC)		
Float Charge Voltage	13.8VDC (*2/24VDC)		
Recommended PV Open voltage	100VDC		
Protection	Over Charge and Discharge, Short Circuit , Reverse Polarity		
Under Voltage Warning	11VDC (*2/24VDC)		
Under Voltage Warning	10.5VDC (*2/24VDC)		
PV power (max)	12V 260W	12V 390W	12V 520W
	24V 520W	24V 780W	24V 1040W
Load Current	20A		
No Load loss	0.7W~1.2W		
Temp. compensation	-3mv/°C/2V		
Operation Temp	-35~45°C		
Control Mode	4 stage MPPT charge mode		
Cooling	Natural (no fan)		
Temperature Compensation	Option		
Certification	CE		
Weight (kg)	1.4	2	2
Size (L*W*H) (mm)	210*151*59.5	238*173*72.5	238*173*72.5

*Note: The Specifications are subject to changes without notice.