CyberPower

SOLAR CHARGER

SCUN60A

INTELLIGENTLY CHARGES SOLAR ENERGY TO BATTERIES

- Work with Solar Panels
- High DC to DC Energy Efficiency
- Input Voltage: Wide Input Voltage Range
- Maximum Power Point Tracking (MPPT) Technology
- Output Voltage: Wide Output Voltage Range
- 4 Stage: 4-stage Charging Approach

The solar charger with Maximum Power Point Tracking technology to achieve the most solar energy harvest

Ideal for home, business and remote locations, the Solar Charger Series is a powerful solar charger which harvests maximum solar energy to store in external batteries. When used together with off-grid inverter, it becomes a self-sufficient system. To harvest the most solar power generated, the chargers adopt Maximum Power Point Tracking (MPPT) technology to achieve up to 99.9% high tracking efficiency. The solar chargers adopt advanced battery charging technology by using a 4-stage approach to help each battery cell recover back to its optimal condition.

APPLICATION

- Home
- SOHO Office
- Office
- Remote House
- Vehicles
- Ships/Boats

SERIES FEATURES

- Work with Solar Panels
- High DC to DC Energy Efficiency
- Wide Input Voltage Range
- Maximum Power Point Tracking (MPPT) Technology
- Wide Output Voltage Range
- Auto Battery Settings
- 4-stage Charging Approach
- LCD Status Display
- LED Status Indicator
- Wide Operating Temperature

TECHNICAL SPECIFICATIONS

Model Name	SCUN60A
PV Input	
Nominal Input Power (Watts)	3200 W for 48 V Battery, 2400 W for 36 V Battery, 1600 W for 24 V Battery, 800 W for 12 V Battery
Maximum PV Open Circuit Voltage (Vdc)	150
Maximum Input Operation Voltage (Vdc)	120
Minimum Input Operation Voltage (Vdc)	Vbat + 3 V for 12 V Battery, Vbat + 6 V for 24 V Battery, Vbat + 9 V for 36 V Battery, Vbat + 12 V for 48 V Battery
Efficiency MPPT (%)	99.9%
DC Output	
Nominal Output Voltage (Vdc)	48, 36, 24, 12
Output Voltage Range (Vdc)	8 - 64
Maximum Output Current (A)	60
Battery	
Charging Algorithm	4-stage
Charging Stages	Bulk, Absorption, Float, Equalize
Performance	
Maximum Efficiency (%)	99%
Maximum Self-consumption (Watts)	2.5
Management	
LCD Panel	Yes
LED Indicators	Yes
Physical	
Enclosure Construction	Aluminum
Water Resistance	IP30
Physical Size	
Dimensions (WxHxD) (mm.)	342 x 257 x 56
Weight (kg.)	3.95
Environmental	
Operating Temperature (°C)	-40 - 50
Operating Relative Humidity (Non-condensing) (%)	0 - 100
Storage Temperature (°C)	-40 - 85
Storage Relative Humidity (Non-condensing) (%)	0 - 100
Cooling Method	Natural Convection
Certifications	
Certifications*	CE, FCC Class A, EN60950
RoHS	Yes

*Certifications may vary according to different regions. Visit www.cyberpower.com for more information.
#All specifications are subject to change without notice.