

MPPT Solar Charge Controller 12V/24V/36V/48V 80A MPPT



MASTER 80A-100A

12V/24V/36V/48V

Brandnew Series of I-Panda

MPPT Solar Charge Controller

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1. MPPT efficiency $\geq 99.5\%$
2. 3-year warranty
3. Compatible with monocrystalline / polycrystalline PV panels
4. ...
5. Compatible with 3 types of batteries: SEAL, gel, flooded
6. ...
7. ...
8. LCD display
9. RS485 interface
10. PC software / WiFi control
11. CE, ROHS, FCC certified
12. 2-year warranty

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MPPT Solar Charge Controller		48BL-80A	48bh-80a	
MPPT Efficiency	MPPT Efficiency	MPPT Efficiency $\geq 99.5\%$		
	MPPT Loss	MPPT Loss $\leq 0.5W @ 1.2W$		
	MPPT Voltage	MPPT Voltage	48V	
	MPPT Current	MPPT Current	MPPT Current	
	MPPT Power	MPPT Power	MPPT Power	
Battery Voltage	max. pv input VOC	DC150V	DC300V	
	Battery Voltage	Battery Voltage + 3V	Battery Voltage + 10V	
	Battery Voltage	Battery Voltage + 2V	Battery Voltage + 5V	
	Battery Voltage	DC150V	DC300V	
	PV Power	12V	1040w	
		24V	2080W	
36V		3120W		

MPPT Solar MonitorV1.0

IPANDEE

MPPT Model: Explorer-M2460 Firmware: V2.6 Serial: 9246111120220419 Message: Click [START EDIT] to modify parameters!

Com Port: COM1

BaudRate: 9600

Address: 1

Opened

Running State

Standby

Real-time Data

PV Volt: 0.1V
 BAT Volt: 14.2V
 Load Volt: 14.1V
 CHG Curr: 0.0A
 Load Curr: 0.4A
 CHG Power: 0W
 Load Power: 5W
 Inner Temp: 27.0°C
 BAT Temp: 25.0°C
 Alarm Tip: PV Low

Electricity Statistics

Day CHG: 0.0kWh
 Month CHG: 0.0kWh
 Total CHG: 0.0kWh
 Day Used: 0.5kWh
 Month Used: 0.5kWh
 Total Used: 0.5kWh

Bat Parameters Of Controller

Bat Category: FLD System Volt: (Auto)12V
 C.V. Charge: 14.6V Float Charge: 13.8V
 Equalizing V: 14.8V Equalizing T: 30min
 Max Chg Curr: 60.0A Max Load Curr: 30.0A
 Battery Over: 15.0V Over Recover: 14.8V
 Battery Low: 10.5V Low Recover: 11.0V

Bat Parameters Set

Select Battery

BatType: FLD Sys. Volt: Auto

Max CHG -I: 60.0 A Max Load-I: 30.0 A

Lead Acid Battery(9~15V)

C.V. Charge: 14.6 V
 Equalizing V: 14.8 V
 Float Charge: 13.8 V
 Equalizing T: 30 min
 Battery Over: 15.0 V
 Over Recover: 14.8 V
 Battery Low: 10.5 V
 Low Recover: 11.0 V

Lithium Battery

Charge Volt: 14.4 V
 Nominal Volt: 12.8 V
 Battery Over: 15.0 V
 Over Recover: 14.4 V
 Battery Low: 7.6 V
 Low Recover: 5.0 V

Load Output Parameters Of Controller

Load Control Mode: On Mode

Note: If Vbat exceeds the protection, will turn off!

Load Output Set

Light Mode

On Load->PV Low: 30.0 V Off Delay: 10 min
 OffLoad->PV OK: 30.0 V Off Delay: 10 min

Dual Timer Mode

Timer1->On Time: 10 : 30 Off Time: 10 : 30
 Timer2->On Time: 10 : 30 Off Time: 10 : 30

Light-Time Mode

Dark->On Load->PvLow: 30.0 V On Hour: 10 H
 Dawn->OffLoad->Pv Ok: 30.0 V On Hour: 0 H

Load Mode Selection:

On Mode

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