

# MPPT 48V 100A



**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. PV protection: over-voltage, reverse polarity, short-circuit
4. Load protection: over-current, over-temperature
5. Compatible with 3 types of batteries: SEAL, gel, flooded
6. FCAN protection
7. LCD display
8. RS485 communication
9. PC software
10. WiFi module
11. CE, ROHS, FCC certified
12. 3-year warranty, 10-year lifespan

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MPPT 48V 100A		48BL-100A
MPPT Efficiency	MPPT Efficiency	MPPT Efficiency
	MPPT	99.5%
	MPPT Loss	0.5W~1.2W
	MPPT Accuracy	±0.5%
	MPPT Resolution	10mV
PV Protection	max. pv voltage (VOC)	DC150V
	MPPT Voltage	MPPT Voltage + 3V
	MPPT Current	MPPT Current + 2V
	MPPT Power	DC150V
	12V Output	1300W
	24V Output	2600W



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: 00 : 00    Off Time: 00 : 00

**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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