

## 10A MMPT SOLAR CHARGE CONTROLLER

**97%**      **12V/24V**      **≤ 5s**

Efficiency      Automatic Battery Voltage      Fast Scan Speed



### 4Type

Battery

CNBOU MPPT Solar Charge Controller Supporting Many Battery Types

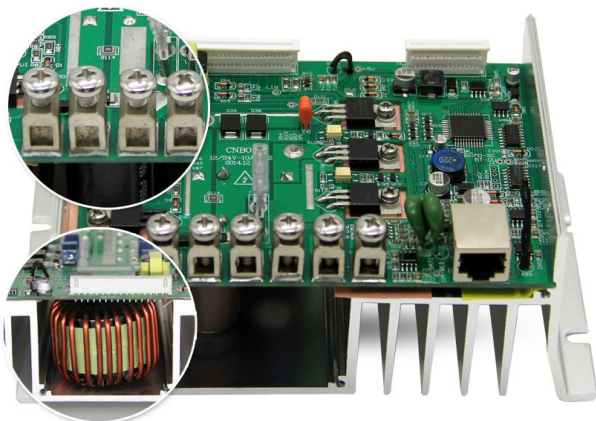
- Lead-acid Batteries
  - Nickel-hydrogen Batteries
  - Nickel Cadmium Batteries
  - Lithium Batteries
- (Other Battery Type can customize)

### 2Type

Options Remote Control

Remote Display & PC Program

- Available for 1 KM
- Synchronous display running state and parameter
- Can parameter settings Control DC load output and Fault reset operation ect.
- Capacitive touch button ,Higher service and life tightness.(Display)
- Support Multimachine Parallel Communication (PC)
- Communication module directly contact with PC USB port ,Support WIN XP / WIN7



## Product Character

- LCD screen
- Capacitive touch button
- Original import MOS tube
- RS485/8-pin RJ45 connector
- Three stage Charging Control Model
- Auto scan the light intensity to start or stop charging intelligently
- Industrial fiberglass PCB board to ensure the good transmission loss

Model	Muse-1015LNS	Muse-2015LNS	Muse-4015LNS
PV Input Channels	1 Channel		
Battery Input Voltage	12V/24V Automatic		
Specifications	12V 24V	12V 24V	12V 24V
PV Voltage Range	18V-150V 36V-150V	18V-150V 36V-150V	18V-150V 36V-150V
Solar Panel Input Power	≤120W ≤240W	≤240W ≤480W	≤480W ≤960W
Charging Current (Max)	10A	20A	40A
Static Power	≤1.5W	≤1.5W	≤1.5W
Charging Circuit Voltage Drop	≤0.28V	≤0.28V	≤0.28V
Rated Frequency	120W/240W	240W/480W	480W/960W
Floating /Stop Charging/Recovery (V)	14.5V/15V/13.5V		
Voltage Drop Between PV To Controller	≤1.5V		
MPPT Scan Speed (Max)	≤5S		
MPPT Efficiency	≥98%		
MAX Transfer Efficiency	97%		
DC Load Power Support (Max)	≤120W ≤240W	≤240W ≤480W	≤480W ≤960W
DC Load Running Setting	Time / Light/Manual Control		
Temperature Compensation	-4mv/°C/2V , -35°C~+80°C ,Accuracy:±1°C		
Control Type	Common Negative Control		
Working Temperature	-25°C~55°		
Humidity Range	10% – 90% Without Condensation		
Ingress Protection	IP 30		
Communication	RS485/8-pin RJ45 connector		
Over Current Protection Value	15A	30A	60A
Automatic Current Limiting	Yes		
Charging Model	Three stage Charging Control Model		
Starting Voltage	≥9V		
Over Load Ability	<150% Rated Current		
Protection	PV Panel (Over Current,Over Voltage,Low Voltage)		
	Battery (Battery Lost,Over Load,Over Current)		
	Battery (Over Voltage,Low Voltage,Input Short Circuit)		
	DC Output (Over Current ,Over Load,Short Circuit)		
	Over Temperature Protection		
Input Oppose	PV Input Oppose / Battery Input Oppose		
Communication Agreement	Standard Modbus Agreement		
Power Terminal	16mm <sup>2</sup> /AWG5		
Temperature Protection Value	Machine 85°C/Air Temperature55°C		
Cooling Way	Natural Cooling		
Battery Type	Lead-acid Batteries,Nickel-hydrogen Batteries		
	Nickel Cadmium Batteries, Lithium Batteries (Other Battery Type can customize)		
N.W/G.W(kg)	0.9/1.1kg	1.15/1.4kg	2.25/2.5kg
Production Size(mm)	95*167*83	113*167*83	236*167*83