

MUSE Series 10A / 20A / 40A MPPT Solar charge controller

97% Efficiency **12V/24V** Automatic Battery Voltage **≤ 5s** Fast Scan Speed



4Type

Battery

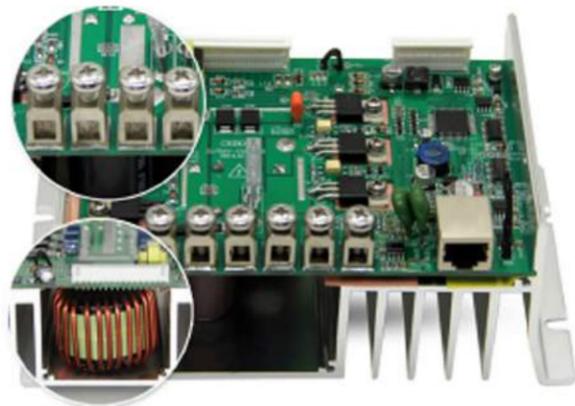
Support various kinds of batteries

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

2Type

Remote Control Options
Remote Display & PC Program

- Available for 1 KM
- Support parallel
- Capacitive touch button ,extend the button life
- Communication with PC USB (WIN XP / WIN7/WIN8)



Product Features

- LCD screen
- RS485/8-pin RJ45 connector
- Three stage Charging Control
- Auto scan the light intensity to start or stop charging intelligently

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
PV Input Power(Max)	≤ 150W	≤250W	≤250W	≤500W	≤500W	≤1000W
Charging Current (Max)	10A		20A		40A	
Static Power	≤1.5W		≤1.5W		≤1.5W	
Charging Circuit Voltage Drop	≤0.28V		≤0.28V		≤0.28V	
PV Rated Power	150W	250W	250W	500W	500W	1000W
Floating /Stop Charging/Recovery (V)	14.5/15/13.5	29/30/27	14.5/15/13.5	29/30/27	14.5/15/13.5	29/30/27
Voltage Drop Between PV To Controller	≤1.5V					
MPPT Scan Speed (Max)	≤5S					
MPPT Tracking Efficiency	≥98%					
MPPT Efficiency	97%					
DC Load Power Support (Max)	≤ 150W	≤250W	≤250W	≤500W	≤500W	≤1000W
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 20					
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 ² /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 Adjustable)					
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	