

MPPT Solar Charge Controller



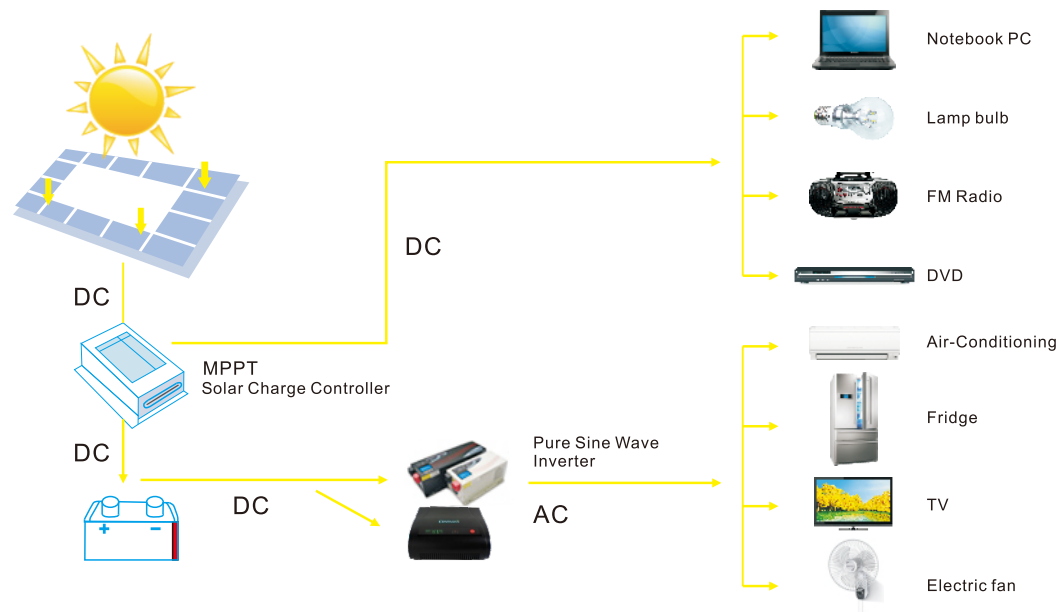
Optional

Application:

MPPT-XXA solar charge controller is mainly used for solar power station, home solar power system, solar street light control system, mobile solar power system, DC wind solar generating

Key Features:

- ※ Adopt advanced MCU microprocessor control technology.
- ※ 12V/24V self detect to choose output voltage.
- ※ Advanced MPPT Technology, High converting efficiency higher than 97% for minimizing energy loss.
- ※ Capable to parallel in output, to expand capacity easily.
- ※ Reversed current protection at night, over voltage and reverse polarity protection.
- ※ Capable of selecting different charging mode for various type of batteries.
- ※ Capable of connecting additional DC load for wider applications.
- ※ Three stage charge control system (bulk, absorption, and float mode) with optional temperature compensation.
- ※ LED indicators display charge status in real time.
- ※ Pulse Width Modulation (PWM) technology combined with a multi-stage charge control algorithm leads to superior charging and enhanced battery performance.
- ※ Selectable external LCD display.



Technical Specifications for MPPT Solar Charge Controller :

Model	MPPT-40A	MPPT-60A	MPPT-40A-48
Rated Voltage	12/24Vdc Auto-detection		48Vdc
Rated charge current(include load current)	40Amp	60Amp	40Amp
Load current	15Amp		10Amp
Input voltage range	15-55Vdc		58-110Vdc
Max. PV open circuit array voltage	55Vdc		110Vdc
Overload protection (DC load)	2.0 * Inom>5s		
	1.5 * Inom >20s		
	1.25 * Inom temperature controlled		
Typical idle consumption	At idle < 10mA		
Bulk charge	14.6Vdc(default)/29.2Vdc(default)		58.4Vdc(default)
Floating charge	13.4Vdc(default)/26.8Vdc(default)		53.6Vdc(default)
Equalization charge	14.0Vdc(default)/28.0Vdc(default)		56Vdc(default)
Over charge disconnection	14.8Vdc/29.6Vdc		59.2Vdc
Over charge recovery	14Vdc/28Vdc		56Vdc
Over discharge disconnection	10.8Vdc(default)/21.6Vdc(default)		43.2Vdc(default)
Over discharge reconnection	12.3Vdc/24.6Vdc		49.2Vdc
Temperature compensation	-13.2mV/°C/-26.4mV/°C		-52.8mV/°C
Lead acid battery settings	Adjustable		
NiCad battery settings	Adjustable		
Load control mode	1. Low Voltage Reconnect (LVR): Adjustable		
	2. Low Voltage Disconnect (LVD): Automatic disconnection		
	3. Reconnection: Includes warning flash before disconnect and reconnection		
Low voltage reconnect	12.0-14.0Vdc	24.0-28.0Vdc	48.0-56.0Vdc
Low voltage disconnect	10.5-12.5Vdc	21.0-25.0Vdc	42.0-50.0Vdc
Ambient temperature	0-40 °C (full load) 40-60 °C (de-rating)		
Altitude	Operating 5000 m, Non-Operating 16000 m		
Protection class	IP21		
Cooling	natural cooling		
Terminal size (fine/single wire)	#8 AWG		
Dimension(L*W*H)	205*141*66mm	205*141*82mm	205*141*66mm
Net Weight(kgs)	1.6	2.0	1.8

* Product specifications are subject to change without further notice.



MPPT Solar Charge Controller & CNS112 Series Pure Sine Wave Solar Inverter

GREEN ENERGY SAVING ENVIRONMENTAL PROTECTION

