



10A

20A

30A

40A





SOLAR PANELS

Max Voc:100V;
Max Power:390W(12V)/
780W(24V)

DC LOADS

Max:30A

BATTERY

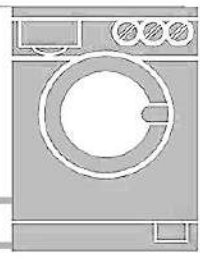
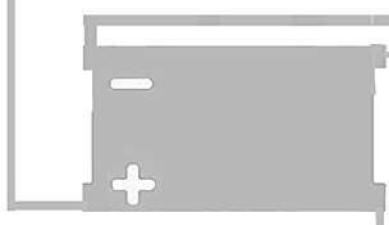
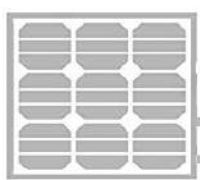
12Vdc or 24Vdc

INVERTER

110Vac or 220Vac

AC LOADS

110Vac or 220Vac



100% Advanced
MPPT Technology

Charging Bulk, Constant,
Boost, Equalize

Ultra-fast tracking
speed

Max input 100V

User programmable
for battery types

Full Battery Protection



MPPT Solar Controller

- Auto identifying 12V/24VDC system voltage.
- MPPT technology tracking efficiency>99%, conversion efficiency>98%
- Battery Charging Stage: Bulk, Constant (Boost, Equalize), Float
- Max PV input 100V, Common-Negative controller
- Charging power and current limitation function
- Real-time energy statistics function
- Compatible with Lead-acid (Sealed/Flooded/GEL/User) and lithium-ion
- (LiFePO4/Li(NiCoMn)O2/User) batteries
- Monitor and set the parameters via phone APP or PC software

Application



Please NOTE:

- Lead-acid battery "User" settings must be set via MT50 or PC software or phone APP.
 - If you are connecting a lithium-ion batteries, you must download the PC software or the latest version of the phone APP (only supports Android phones).
- Please contact us if you need to download the phone APP.





Product Model	1210AN	2210AN	3210AN	4210AN
Dimensions	6.77*5.47*1.73in	8.66*6.06*2.05in	8.99*6.46*2.17in	9.92*7.09*2.48in
Max power current	10A	20A	30A	40A
Power Terminals	12AWG (4mm ²)	6AWG (16mm ²)		
Mpp Voltage range	(Battery voltage+2V) ~72V			
Battery input voltage range	8V~32V			
Max.PV input power	130W/12V 260W/24V	260W/12V 520W/24V	390W/12V 780W/24V	520W/12V 1040W/24V
Max.PV open circuit voltage	100V②92V③			
Grounding	Common negative			
Weight	0.57kg	0.94kg	1.26kg	1.65kg

