



10A

20A

30A

40A



# 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 <sup>2</sup> ) | 6AWG (16mm <sup>2</sup> ) |                      |                       |
| Mpp Voltage range           | (Battery voltage+2V) ~72V |                           |                      |                       |
| Battery input voltage range | 8V~32V                    |                           |                      |                       |
| Max.PV input power          | 130W/12V<br>260W/24V      | 260W/12V<br>520W/24V      | 390W/12V<br>780W/24V | 520W/12V<br>1040W/24V |
| Max.PV open circuit voltage | 100V②92V③                 |                           |                      |                       |
| Grounding                   | Common negative           |                           |                      |                       |
| Weight                      | 0.57kg                    | 0.94kg                    | 1.26kg               | 1.65kg                |

