

Network MPPT Solar charge controller

eTracer series



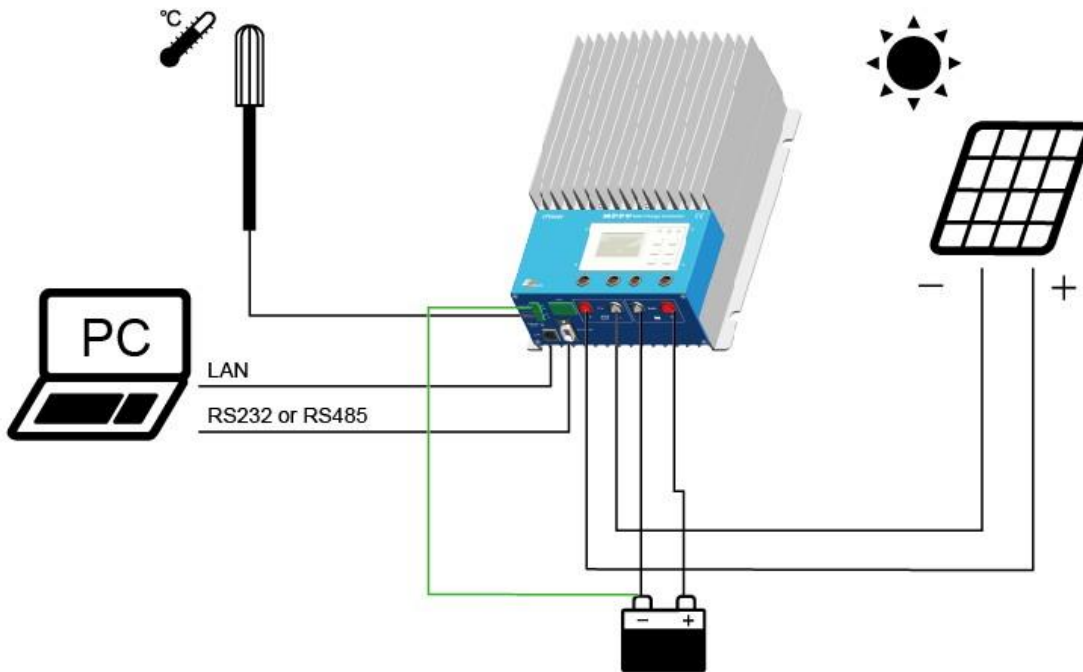
eTracer is an advanced Maximum Power Point Tracking (MPPT) controller for off-grid photovoltaic (PV) systems up to 3KW. The controller features a smart tracking algorithm that maximizes the energy harvest from the PV by rapidly finding the solar array peak power point in all the weather condition. The controller provides higher efficiency up to 98% with lower power loss.

Include up to 450 days data logging by connecting to Ethernet.

Features:

- ◆ 12/24/36/48V auto work
- ◆ Advanced MPPT technology
- ◆ Several seconds tracking speed
- ◆ High Tracking efficiency of 99%
- ◆ Multiphase synchronous rectification technology
- ◆ Peak conversion efficiency of 98%
- ◆ DSP&ARM processors architecture ensures high speed and performance
- ◆ Multifunction LCD displays system data and status
- ◆ Three kinds of communication ports :RS232, CAN BUS and Ethernet
- ◆ Three stages charging optimizes battery performance
- ◆ Software update by users





Electronic Protections:

- ◆ PV array short circuit
- ◆ Over charging
- ◆ Battery reverse polarity
- ◆ PV over current
- ◆ PV reverse polarity
- ◆ Overheating protection
- ◆ PV over voltage

Model Overview:



ET2415N/ET3415N/ET4415N/ET6415N
12/24/36/48V auto work
20A/30A/45A/60A



TS-R
Remote Temperature Sensor

eTracer MPPT Solar Controller

Model :ET6415N



Display interface:



eTracer MPPT Solar Controller

Model :ET6415N



eTracer MPPT Solar Controller

Model :ET6415N



eTracer MPPT Solar charge controller

| Model | ET2415N | ET3415N | ET4415N | ET6415N |
|------------------------------|----------------------------|-------------|-------------|-------------|
| Nominal System Voltage | 12V/24V /36V/48V auto work | | | |
| Rated Battery Current | 20A | 30A | 45A | 60A |
| Max. PV open circuit voltage | 150V | | | |
| Voltage range | 8~72V | | | |
| Max. PV input power | 260W (12V) | 400W (12V) | 600W (12V) | 800W (12V) |
| | 520W (24V) | 800W (24V) | 1200W (24V) | 1600W (24V) |
| | 780W (36V) | 1200W (36V) | 1800W (36V) | 2400W (36V) |
| | 1040W (48V) | 1600W (48V) | 2400W (48V) | 3200W (48V) |
| Self-consumption | 1.4~2.2W | | | |
| Grounding | Negative | | | |

| Mechanical | ET2415N | ET3415N | ET4415N | ET6415N |
|------------|-------------------|-------------------|-------------------|-------------------|
| Overall | 206x203x105mm | 231x203x105mm | 285x203x105mm | 285x203x121mm |
| Mounting | 150x193mm | 150x193mm | 200x193mm | 200x193mm |
| Terminal | 35mm ² | 35mm ² | 35mm ² | 35mm ² |
| Net Weight | 2.6kg | 4.1kg | 4.4kg | 5.0kg |

| Environmental | |
|---------------------|--------------|
| Ambient Temp. Range | -25℃~+55℃ |
| Storage Temp. Range | -30℃~+85℃ |
| Humidity range | 10%-90% N.C. |
| Enclosure | IP20 |