

eTracer series

Network MPPT solar charge controller

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.



Model Overview



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



TS-R
Remote Temperature Sensor

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
- ◆ PV over current
- ◆ PV reverse polarity
- ◆ Battery reverse polarity
- ◆ Overheating protection

Technical specifications

Model	ET2415N	ET3415N	ET4415N	ET6415N
Nominal system voltage	12/ 24/36/48V auto work			
Rated battery current	20A	30A	45A	60A
Max. PV open circuit voltage	150V			
Voltage range	9~ 64V			
Max. PV input power	12V 260W	12V 390W	12V 585W	12V 780W
	24V 520W	24V 780W	24V 1170W	24V 1560W
	36V 780W	36V 1170W	36V 1755W	36V 2340W
	48V 1040W	48V 1560W	48V 2340W	48V 3120W
Self-consumption	1.4~ 2.2W			
Grounding	Negative			
Overall dimension	213x203x105mm	238x203x105mm	293x203x105mm	293x203x121mm
Mounting dimension	150x193mm	150x193mm	200x193mm	200x193mm
Terminal	35mm ²			
Net weight	2.6kg	4.1kg	4.4kg	5.0kg
Working temperature	-20°C to +55°C			
Humidity	10%~90% NC			
Enclosure	IP20			

