

Network MPPT Solar charge controller

eTracer series



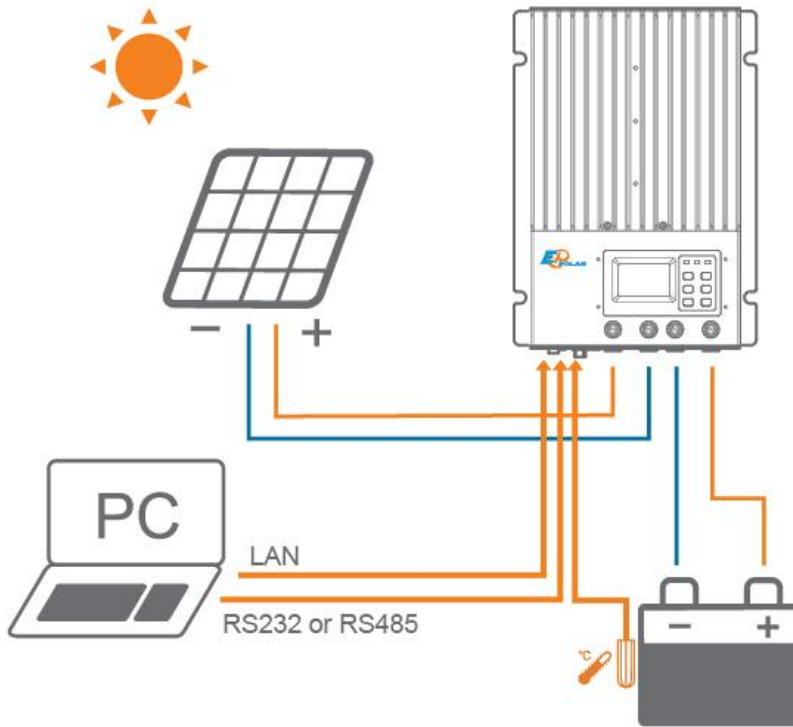
eTracer is an advanced Maximum Power Point Tracking (MPPT) controller for off-grid photovoltaic (PV) systems up to 3KW. The controller features a smart tracking algorithm that maximizes the energy harvest from the PV by rapidly finding the solar array peak power point in all the weather condition. The 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
- ◆ Gel, Sealed, Flooded battery option
- ◆ Max. 450 days data logging by connection to PC
- ◆ 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 short circuit protection
- ◆ PV over current alarm protection
- ◆ Battery overcharge protection
- ◆ Battery reverse polarity protection
- ◆ PV overvoltage alarm protection
- ◆ PV reverse polarity protection
- ◆ Battery over discharge protection
- ◆ Overheating protection

Model Overview:



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



TS-R
Remote temperature sensor



Display interface:







Technical specifications

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

Mechanical	ET3415N	ET4415N	ET6415N
Overall	231x203x105mm	285x203x105mm	285x203x121mm
Mounting	150x193mm	200x193mm	200x193mm
Terminal	35mm ²	35mm ²	35mm ²
Net Weight	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



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