Network MPPT
Solar charge controller
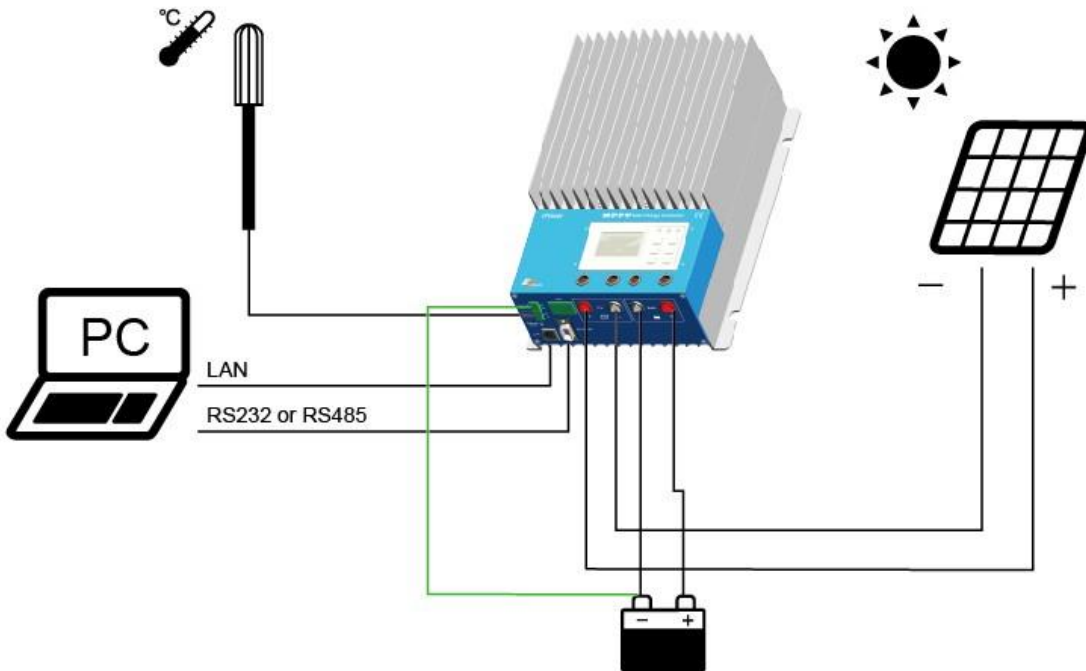
eTracer series

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

PC

LAN

RS232 or RS485

Electronic Protections:

◆ PV array short circuit   ◆ Over charging   ◆ Battery reverse polarity

◆ PV over voltage   ◆ PV reverse polarity   ◆ Overheating protection

◆ PV over current

Model Overview：

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

TS–R
Remote Temperature Sensor

Display interface：

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	35mm²	35mm²	35mm²	35mm²
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