



eTracer BND series MPPT solar charge controller

45A,60A 12/24/36/48V auto work

eTracer is an intelligent, efficient, high-speed solar charge controller with advanced Maximum Power Point Tracking (MPPT) algorithm, which can harvest the maximum power from the solar array to charge battery. It can be applied in the off-grid PV systems up to 3KW, and increase the efficiency up to 30% .

Application



Features:

- High tracking efficiency $\geq 99.5\%$
- Peak conversion efficiency of 98% and full load efficiency of 97%
- Accurately tracking and recognizing MPP among multiple wave crest
- Battery type selection: Sealed, Gel, Flooded and User(programmable)
- Energy statistics recording
- Built-in running data and event logging
- RS485 port with industrial standard MODBUS open architecture
- Real-time data monitoring and parameters setting with MT50, APP or PC software
- Field upgradable firmware

CE RoHS IEC62109

Model	ET4415BND	ET6415BND	ET6420BND
Nominal system voltage	12/24/36/48V auto work		
Rated Battery current	45A	60A	
Max. PV open circuit voltage	150V at minimum operating environment temperature 138V at 25°C environment temperature		190V at minimum operating environment temperature 180V at 25°C environment temperature
Battery input voltage range	8V~68V		
MPP voltage range	(Vbat+2V)~108V		
Max. PV input power	600W (12V)	800W (12V)	
	1200W (24V)	1600W (24V)	
	1800W (36V)	2400W (36V)	
	2400W (48V)	3200W (48V)	
Self-consumption	1.4~2.2W		
Grounding	Common negative		
Temp. compensation	-3mV/°C/2V		
Overall dimension	398.6x208x107mm	449x208x107mm	
Net weight	4.3kg	5.5kg	
Enclosure	IP20		
Working temperature	-25°C ~ +55°C		
Relative humidity	≤95% (N.C.)		