



iTracer ND series MPPT controller with load control

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

iTracer 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)
- Multiple load control modes
- 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	IT4415ND	IT6415ND
Nominal system voltage	12/24 /36/48V auto work	
Rated battery current	45A	60A
Rated load current	45A	60A
Max. PV open circuit voltage	150V at minimum operating environment temperature 138V at 25°C environment temperature	
Battery input voltage range	8~68V	
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	382x231x107mm	440x231x110mm
Net weight	4.6kg	5.9kg
Enclosure	IP20	
Working temperature	-25°C ~ +45°C	
Relative humidity	≤95% (N.C.)	