

Overview

Tracer-CN series adopts common negative design and advanced MPPT control algorithm, and introduces original relay design to achieve the switch of external equipment. The integration design not only replaces traditional electrical design using external relay, what is more can achieve multiple control modes and working modes, it can be widely used in household system, field monitoring and communication station etc.



Features

- Original relay design, achieve the switch of external equipment
- Multiple relay control mode, local, remote and cross- network
- Multiple relay working modes: manual control, light ON/OFF, light ON+timer and time control
- High tracking efficiency no less than 99.5%
- Peak conversion efficiency of 97.5%, full-load efficiency of 96%
- Accurately recognizing and tracking of multiple power points
- Battery temperature compensation function
- Real-time energy statistics function
- RS485 port with industrial standard MODBUS open architecture
- Fully programmable function via PC software or remote meter
- Support software upgrade



Solar Car



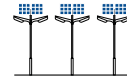
Solar Home



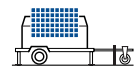
Solar Backpack



Solar Boat



Solar Street Light



Solar Power Generator

Technical specifications

Model	Tracer2210CN	Tracer3210CN
Nominal system voltage	12/24VDC Auto	
Battery input voltage range	9V ~ 32V	
Rated charge current	20A	30A
Max. PV input power	260W/12V,520W/24V	390W/12V,780W/24V
Max. PV open circuit voltage	92V (at 25°C environment temperature) 100V(at minimum operating environment temperature)	
MPP Voltage range	(Battery voltage+2V) ~ 72V	
Relay control range	30VDC/1A	
Communication	RS485(5VDC/30mA)	
Battery Type	Sealed(Default)/Gel/Flooded/User	
Self-consumption	20mA/12V; 23mA/24V	
Temperature compensate coefficient	-3mV/°C/2V	
Working environment temperature	-35°C ~ +55°C	
Enclosure	IP20	
Humidity	≤95% (N.C.)	
Grounding	Common negative	
Dimension	173×150×79.9mm	173×163×86mm
Mounting hole size	Φ5mm	
Mounting hole size	141×141mm	141×154mm
Terminal	8AWG/10mm ²	6AWG/16mm ²
Weight	1.21kg	1.46kg