

MPPT Solar Charge Controller

Tracer A series



Tracer A series adopts common positive design and advanced MPPT control algorithm. The products can track the MPP point fast and accurately in any situation which will improve energy efficiency and obtain the maximum solar energy.



Model

- Tracer4210A 40A, 12/24V auto work

Features :

- Advanced MPPT technology
- High tracking efficiency no less than 99.5%
- Peak conversion efficiency of 98%
- Ultra-fast tracking speed
- Accurately recognizing and tracking of multiple power point
- Multi-function LCD displays system information intuitively
- User programmable for battery types, load control etc.
- 3-Stage charge with PWM output
- Common positive grounding design
- RS485 port with industrial standard MODBUS open architecture
- Fully programmable function via PC software or remote meter

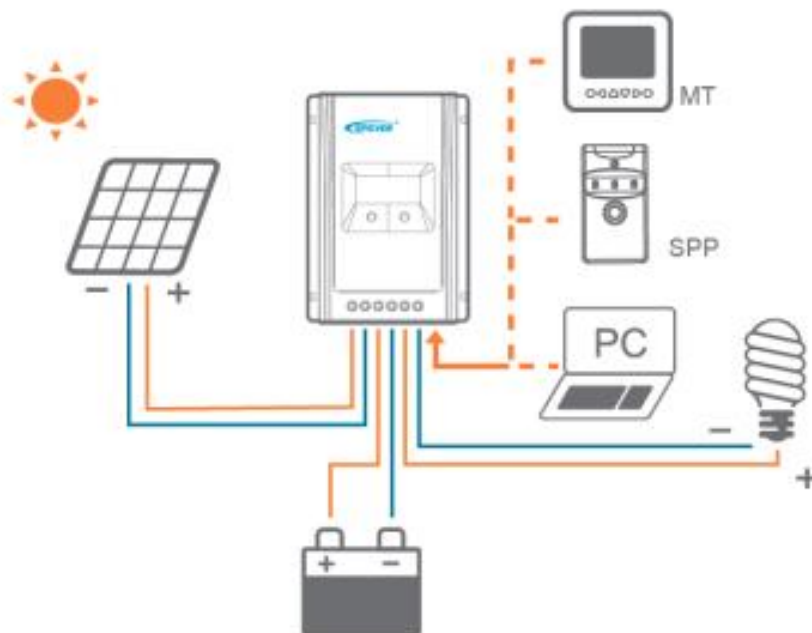


Electronic protections:

- PV reverse polarity protection
- PV over current alarm protection
- Battery over discharge protection
- Load short circuit protection
- Overheating protection
- PV short circuit protection
- Battery overcharge protection
- Battery reverse polarity protection
- Load overload protection

Load Set:

- Manual Control (ON/OFF)
- Light ON/OFF (Default)
- Light ON + Timer
- Time Control



Setting Operation:

There are two methods that can modify load mode and control parameter through infrared interface:

1. Remote meter, MT50
2. Super Parameter Programmer, SPP-02
This method can realize one-key setting operation which is suitable for bulk quantity products setting or applied in the projects.
3. PC monitoring setting software "Solar Station Monitor"

Remote Meter



MT50 is an optional remote meter to monitor and program EPsolar controller,

Compatible with:

LS-B, LS-BP, VS-BN, Tracer-BN, Tracer-A, eTracer, iTracer

Features:

- Automatic identify the controller, and display relevant parameter data
- Large-screen informative LCD displays all the operating data and system working status
- Simple and convenient operation
- Real-time alarm of failure information
- Longer communication distance based on RS485
- Diversified load control modes : Manual Control, Light ON/OFF, Light ON+ Timer, Time Control
- Battery type selection: Gel, sealed, flooded and User(programable)
- Programmable parameters
- Energy statistics display function



Surfacing mounting



Flush mounting