

Electronic protections:

- PV over current protection
- PV reverse polarity protection
- Battery over discharge protection
- Battery overheating protection
- PV short circuit protection
- Battery over voltage protection
- Battery reverse polarity protection
- Controller overheating protection



Optional accessories :

	
RTS300R47K3.81A Remote temperature sensor (3m)	CC-USB-RS485-150U-3.81 PC communication cable (1.5m)

Technical Specifications:
CE RoHS

Model	Tracer2210CN	Tracer3210CN
Nominal system voltage	12/24VDC auto work	
Rated charge current	20A	30A
Battery input voltage range	9V~32V	
Max. PV open circuit voltage	100V(at minimum operating environment temperature) 92V(at 25 °C environment temperature)	
MPP voltage range	(Battery voltage+2V)~72V	
Max. PV input power	260W(12V); 520W(24V)	390W(12V); 780W(24V)
Dry contact control range	30VDC/1A	
Communication voltage	12VDC	
Battery Type	Sealed(Default)/Gel/Flooded/User	
Equalize charging voltage*	Sealed: 14.6V, Flooded: 14.8V, User: 9~17V	
Boost charging voltage*	Gel: 14.2V, Sealed: 14.4V, Flooded: 14.6V, User: 9~17V	
Float charging voltage*	Gel /Sealed /Flooded: 13.8V, User: 9~17V	
Low voltage reconnect voltage*	Gel /Sealed /Flooded: 12.6V, User: 9~17V	
Low voltage disconnect voltage*	Gel /Sealed /Flooded: 11.1V, User: 9~17V	
Self-consumption	≤20mA(12V); ≤23mA(24V)	
Temperature compensation coefficient	-3mV/ °C/2V	
Grounding	Common negative	
Overall dimension	173x150x79.9mm	173x163x86mm
Power terminals	8AWG(10mm ²)	6AWG(16mm ²)
Net weight	1.21kg	1.46kg
Enclosure	IP20	
Working environment temperature	-35 °C ~+35 °C	
Relative humidity	≤95% (N.C.)	

* Technical data for 12V system at 25 °C, twice in 24V system.

* Programmable voltage value by PC .



Remote Meter

MT50

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



Electrical parameter

Self-consumption	Backlight and acoustic alarm on <65mA
	Backlight on <23mA
	Backlight off <15mA

Mechanical parameter

Faceplate dimensions	98 × 98 mm / 3.86 × 3.86 in
Frame dimensions	114 × 114 mm / 4.49 × 4.49 in
Connector type	RJ45
Meter cable	2m
Net weight	0.190 Kg

Environmental parameter

Working environment Temperature	-20°C ~ +70°C / -4°F ~ 158°F
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