

New



Tracer A series MPPT Solar charge controller

10A,20A,30A,40A 12/24V auto work

Tracer A series adopts advanced MPPT technology. It can fast and accurately MPP of photovoltaic array in any situation and obtain the maximum solar energy at any time, which remarkably improves energy efficiency. With Modbus communication protocol interface, it is convenient for user to expand applications and meet monitoring requirements in various fields like telecommunication base station, household system, lighting system etc.

Application



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 MPP of multiple wave crest
- Automatic PV power limit function
- 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 remote meter, PC software and Mobile APP.

Electrical parameters	Tracer1210A	Tracer2210A	Tracer3210A	Tracer4210A
Nominal system voltage	12V/24V auto work			
Rated battery current	10A	20A	30A	40A
Rated load current	10A	20A	30A	40A
MPP voltage range	VBAT+2V~72V			
Max. PV open circuit voltage	100V at minimum operating environment temperature 92V at 25°C environment temperature			
Max. PV input power	12V 130W	12V 260W	12V 390W	12V 520W
	24V 260W	24V 520W	24V 780W	24V 1040W
Self-consumption	≤20mA(12V), ≤16mA(24V)			
Temp. compensation	-3mV/°C/2V			
Grounding	Common positive			
Overall dimension	172x139x44mm	220x154x52mm	228x164x55mm	252x180x63mm
Net weight	0.6kg	1.1kg	1.2kg	1.9kg
Enclosure	IP30			
Working temperature	-25°C ~ +45°C			