

5 Technical Specifications

Electrical Parameters

Item	Tracer 1206A	Tracer 1210A	Tracer 2210A	Tracer 3210A	Tracer 4210A
Nominal system voltage	12/24VDC Auto				
Rated charge current	10A	10A	20A	30A	40A
Rated discharge current	10A	10A	20A	30A	40A
Battery input voltage range	8V~32V				
Max. PV open circuit voltage	60V(Tracer1206A) 100V(Tracer**10A) at minimum operating environment temperature				
	46V(Tracer1206A) 92V(Tracer**10A) at 25°C environment temperature				
MPP Voltage range	V _{BAT} +2V~36V(Tracer1206A) V _{BAT} +2V~72V(Tracer**10A)				
Max. PV input power	130W/12V 260W/24V	130W/12V 260W/24V	260W/12V 520W/24V	390W/12V 780W/24V	520W/12V 1040W/24V
Self-consumption	≤20mA(12V); ≤16mA(24V)				
Discharge circuit voltage drop	≤0.18V				
Temperature compensate coefficient	-3mV/°C/2V(Default)				
Communication	RS485(RJ45 interface)				
Grounding	Common positive				

Environmental Parameters

Environmental	Parameter
LCD temperature range	-20°C~+70°C
Working environment temperature range*	-25°C~+45°C
Storage temperature range	-35°C~+80°C
Humidity range	≤95% (N.C.)
Enclosure	IP30

* Please operate controller at permitted ambient temperature. If over permissible range, please derate capacity in service.

Mechanical Parameters

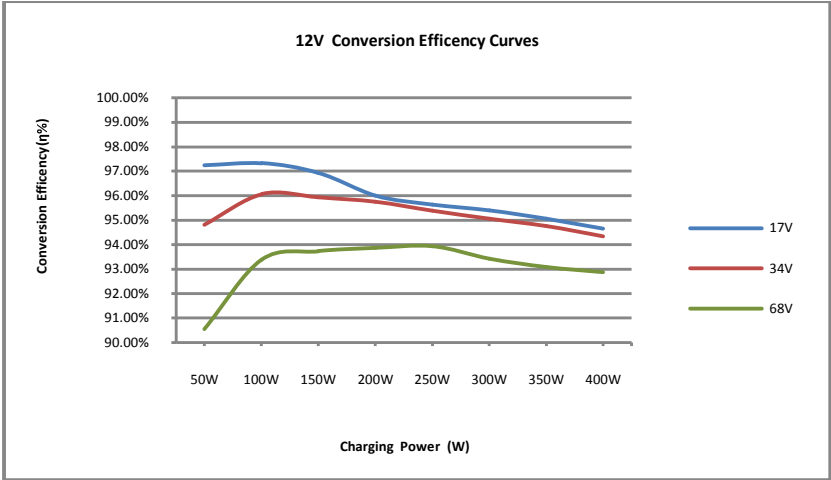
Mechanical	Tracer1206A Tracer1210A	Tracer2210A
Dimension	172mmx139mmx44mm	220mm x154mm x 52mm
Mounting dimension	130mmx130mm	170mmx145mm
Mounting hole size	Φ5	
Power Terminals	12AWG(4mm ²)	6AWG(16mm ²)
Weight	0.6kg	1.1kg

Mechanical Parameters

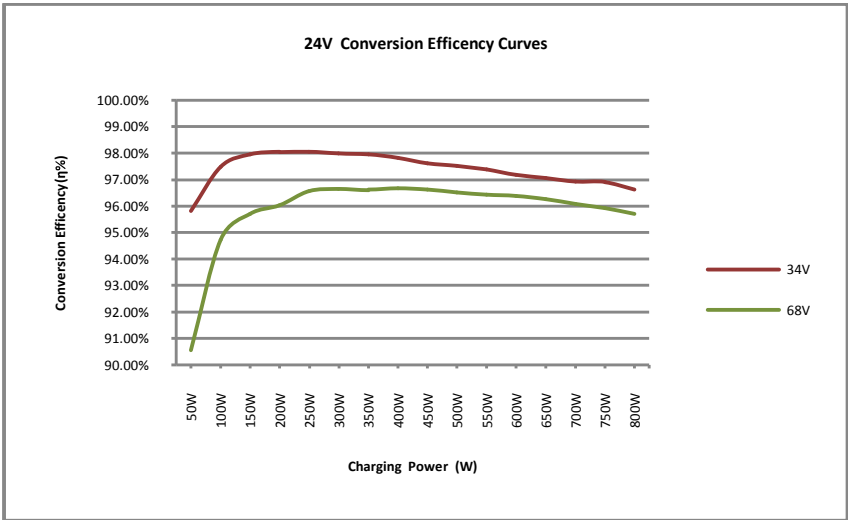
Mechanical	Tracer3210A	Tracer4210A
Dimension	228mmx164mmx55mm	252mmx180mmx63mm
Mounting dimension	170mmx164mm	210mmx171mm
Mounting hole size	Φ5	
Power Terminals	6AWG(16mm ²)	6AWG(16mm ²)
Weight	1.2kg	1.9kg

Model: Tracer3210A

Solar Module MPP Voltage(17V, 34V, 68V)/ Nominal System Voltage(12V)



1. Solar Module MPP Voltage(34V, 68V) / Nominal System Voltage(24V)



Tracer3210A Dimensions in Millimeters

