

Tracer Dream 50V Series

10A / 12V / 12V-24V

Product Features

- PV Max.Open circuit Voltage:50V
- One Solar Panel Connected To One Controller
- LED black screen with backlight
- Monitor and set the parameters via App(optional)
- TD1105 controller has its own MC4 interface, which can be directly connected to the solar panel
- Support the lead-acid,gel,flooded with the needed Temp. compensation and stable self-activation for lithium batteries.



MPPT

Parameters
adjustableBlack LED
DisplayInternal Bluetooth
WiFi(optional)

Application Scenario



Solar RV



Solar Camping

Mechanical Size

Model	TD1105	TD2105
Rated charge current	10A	10A
System voltage	12V	12/24V
Size (LxWx H)mm	120x75x43	120x75x43
Color box size(mm)	106x195x46	106x195x46
Outer box size(mm)	425x324x380	425x324x380
N.W.(Kgs.)	0.32	0.38
G.W. (Kgs.)	0.38	0.42
Carton weight(Kgs)	16.16	17.25
Pcs/CTN	50	50
Terminal scale	6mm ² /10AWG	6mm ² /10AWG
Mounting hole size	Φ 4mm	



● Please refer to the indicator diagram on the right

● Dimension reference drawing

Product Specifications

Item	TD1105	TD2105
System nominal voltage	12V DC	12/24VDC Auto ①
Rated charge current	10A	10A
Battery voltage range		8~32V
Max. PV open circuit voltage		② 50V ③ 48V
MPP voltage range		(Battery voltage +1V)~45V
Battery Type		Sealed(Default)/Gel/Flooded/LiFePO4/ Li(NiCoMn)O2/ User
Rated charge power	130W/12V	130W/12V 260W/24V
LVD		11.0V ADJ 9V~12V; ×2/24V;
LVR		12.6V ADJ 11V~13.5V; ×2/24V;
Float voltage		13.8V ADJ 13V~15V; ×2/24V;
Boost voltage		14.4V ; ADJ14V~17V; ×2/24; Battery Voltage less than Boost Restart Voltage Start Boost changing for 2hours
Self-consumption		≤28mA(12V) ≤19mA(24V)
Discharge circuit voltage drop		≤0.12V
Temperature compensate Coefficient ④		-4mv/°C/2V
Working environment temperature◆		-20°C~+50°C(100% input and output)
Storage temperature range		-20°C~+70°C
Relative humidity		≤95%, N.C.
Enclosure		IP32

①When a lithium battery is used, the system voltage can't be identified automatically.

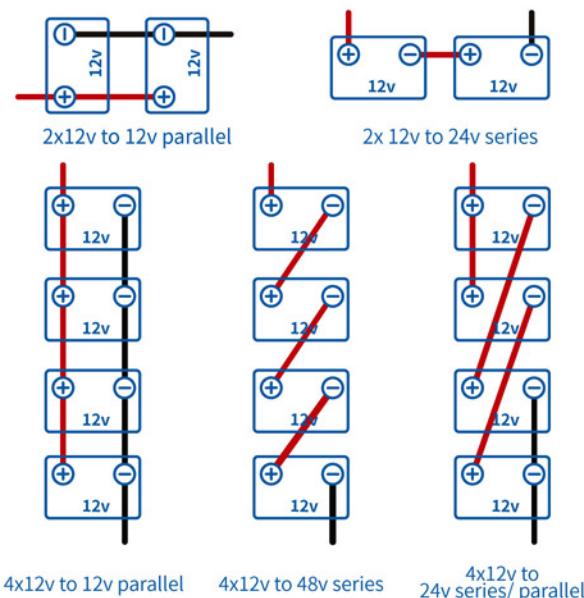
②At minimum operating environment temperature

③At 25°C environment temperature

④When a lithium battery is used, the temperature compensate coefficient will be 0.

◆The controller can work under full load in the working environment temperature. When the internal temperature is more than 80°C, the reducing power charging mode is turned on.

Wiring Connection



● Example Wiring Methods

