

Tracer Dream Series

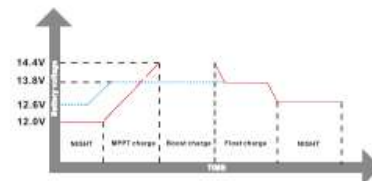
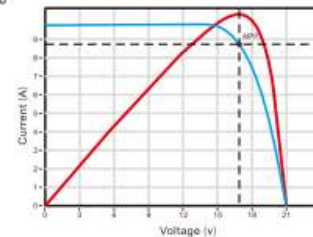


Tracer Dream Series (TD in short) adopts MPPT technology. It's also ran by 32 bits CPU, so stability and speed can be guaranteed. Based on the synchronous rectifier technology, the transfer efficiency of circuit can be increased up to 98% and the Pmax tracking accuracy up to 99.5%. So our MPPT can trace the accurate Pmax in the shortest time (10~20s), even when the sunlight changes rapidly. It can perfectly handle extreme weather or weak sunlight.



FEATURES

- High-end MPPT technology, tracking accuracy up to 99.5%
- Adopting Synchronous Rectifier Technology, Circuit transfer efficiency up to 98%
- Track the exact MPP fastly even in a Multi-Crest PV situation
- Limited Power Input function
- Wide range of PV MPP: The max PV input voltage can be 75V
- 12V/24V Auto Recognition
- LCD display, clear and understandable, display real time power
- In-built work log: Record the working status
- Various Load Control: Normal, Light, Time&Light
- 3-stage PWM Charge: Bulk, Boost, Float
- Adopted in 3 battery types: Sealed, Gel, Flooded
- Temperature compensation and over temperature protection



Series	Tracer Dream	Tracer Dream	Tracer Dream
Model	TD2107	TD2207	TD2307
Photo			
Parameter			
CPU	32 bits	32 bits	32 bits
Rated Charging Current	15A	20A	30A
Rated Discharging Current	15A	20A	30A
System Voltage	12V/24V	12V/24V	12V/24V
PV Max Input Voltage	75V	75V	75V
Charging Mode	MPPT	MPPT	MPPT
Max.Power of Solar Panel	190W(12V)380W(24V)	260W(12V)520W(24V)	390W(12V) 780W(24V)
Current Display	Yes	Yes	Yes
LVD(SEL 12V *2 24V *3 36V *4 48V)	11V	11V	11V
LVR(SEL 12V *2 24V *3 36V *4 48V)	12.6V	12.6V	12.6V
Float Voltage(SEL)	13.8V	13.8V	13.8V
Boost Voltage(SEL)	14.4V	14.4V	14.4V
Over Voltage	16.5V	16.5V	16.5V
Over Voltage Protection Reconnection voltage	15V	15V	15V
Self-consumption	≤25mA	≤25mA	≤25mA
Working Ambient Temperature	▪ 20°C~55°C	▪ 20°C~55°C	▪ 20°C~55°C
Appearance			
SIZE	165mm×123mm×46mm	195mm×123mm×46mm	205mm×157mm×53mm
Net Weight	0.56KG	0.73KG	1.2KG
Pcs/CTN	30	24	12
Carton Size	470*434*305mm	470*400*295mm	470*400*295mm
Carton Weight	21.5KGS	21.2KGS	16.2KGS
Heat baseplate Material	Al	Al	Al
Display	LCD	LCD	LCD
Connector	10mm ²	10mm ²	16mm ²
USB Port	2*USB	2*USB	2*USB
USB Charging mode	5V 2A CVCC	5V 2A CVCC	5V 2A CVCC
Communication interface	option	Option	Option
Waterproof Grade	IP32	IP32	IP32
Performance			
Overload Protection	Yes	Yes	Yes
Short Circuit Protection	Yes	Yes	Yes
Reverse Connect Protection	Yes	Yes	Yes
Battery Over-Voltage Protection	Yes	Yes	Yes
Over Temperature Protection	Yes	Yes	Yes
Limited Power Input	Yes	Yes	Yes
Direct Power supply if no battery	Yes	Yes	Yes
Temperature Compensation	Yes	Yes	Yes
Thunder Protection	Yes	Yes	Yes
Battery type Selected	SEL/GEL/FLD SETECTED	SEL/GEL/FLD SETECTE	SEL/GEL/FLD SETECTED
Total Charging Power Ah	Yes	Yes	Yes
Total Discharging Power Ah	Yes	Yes	Yes
Working mode(Light and time control)	Yes	Yes	Yes
Working Status Record	Yes	Yes	Yes
Battery Over Voltage	Yes	Yes	Yes