



# Technical Specifications

Model	Tracer2606BP	Tracer3906BP	Tracer5206BP	Tracer2610BP	Tracer3910BP	Tracer5210BP	Tracer7810BP
Nominal system voltage	12/24VDC Auto( Lithium battery do not automatic identification system voltage)						
Battery type	Lead-acid:Sealed(Default)/Gel/Flooded/User;Lithium:LiFePO4/Li-NiCoMn/User						
Battery input voltage range	8.5 ~ 32VDC						
Rated charge current	10A	15A	20A	10A	15A	20A	30A
Rated discharge current	10A	15A	20A	10A	15A	20A	30A
Rated charge power	130W/12V 260W/24V	200W/12V 400W/24V	260W/12V 520W/24V	130W/12V 260W/24V	200W/12V 400W/24V	260W/12V 520W/24V	390W/12V 780W/24V
Max. conversion efficiency	≤98%						
Tracking efficiency	≥99%						
Max. PV open circuit voltage	60V;46V			100V;92V			
MPP voltage range	(Battery voltage+2V) ~ 36V			(Battery voltage+2V) ~ 72V			
Equalization voltage	Sealed:14.6V/Gel:No/Flooded:14.8V/User:9-17V(×2/24V)						
Boost voltage	Sealed:14.4V/Gel:14.2V/Flooded:14.6V/LiFePO4:14.5V/Li-NiCoMn:12.5V/User:9-17V(×2/24V)						
Float voltage	Sealed/Gel/Flooded:13.8V/User:9-17V(×2/24V)						
Low voltage reconnect voltage	Sealed/Gel/Flooded:12.6V/LiFePO4:12.8V/Li-NiCoMn:10.5V/User:9-17V(×2/24V)						
Low voltage disconnect voltage	Sealed/Gel/Flooded:11.1V/LiFePO4:11.1V/Li-NiCoMn:9.3V/User:9-17V(×2/24V)						
Self-consumption	≤13mA(12V); ≤11.5mA(24V)						
Temperature compensation	-3mV/°C/2V(Lithium battery don't have temperature compensation coefficient)						
Enclosure	IP68						
RS485 interface	RS485						
Operating temperature range	-40°C ~ +60°C						-40°C ~ +50°C
Dimensions(LxWxH)(mm)	124×89×30	150×93.5×32.7	153×105×52.1	124×89×30	150×93.5×32.7	153×105×52.1	153.3×105×52.1
Weight	0.54kg	0.74kg	1.20kg	0.54kg	0.74kg	1.20kg	1.26kg