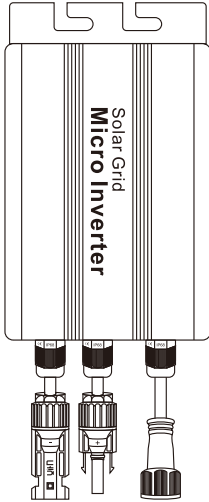


# T180 MICRO INVERTER USER MANUAL



T-180

## 1、Technical parameters

Model	T-180	
Operating voltage range	10.8-30V	
Starting voltage range	12-30V	
Starting voltage	10.8V	
Maximum input power	180W	
Maximum working current	11A	
Maximum allowed access to the power of photovoltaic panels	180W	
Recommend access parameters of photovoltaic panels	18V@180W	
Output parameters	@120VAC / @230VAC	
Output peak power	180W	
Rated output power	180W	
AC voltage range	80-160VAC / 180-280VAC	
Output current	1.25A@0.65A	
AC frequency range	@50Hz:47-53Hz; @60Hz:57-63Hz	
Power factor	>95%	
Number of branch connections	6PCS(Single@120VAC);12PCS(Single@230VAC)	
Output efficiency		
Static MPPT efficiency	0.99	
Max output efficiency	93%	
Total current harmonics	THD<5%	
Loss of power at night	<0.5W	
Appearance and technical features		
Temperature range	-20°C~65°C	
Storage temperature range	-40°C~75°C	
Size(L*W*H)	108*110*45mm	
Net amount	0.45KG	
Waterproof grade	IP65	
Heat dissipation mode	Self-cooling	
Communication mode	NONE	
Power transmission mode monitoring system	Reverse transmission,Load priority	
Electromagnetic Detection	EN50081.part1 EN50082.Part1 CSA STD.C22.2 No.107.1	
Power Grid standard	EN61000-3-2 NBR EN62109 IULSTD.1741	
Power grid detection	DIN VDE 0126IEEE STD.1547.1547.1 and 1547.A	
Certificate	CE, Patented technology	
Packing weight		
Specifications	Each(Packing)	Box(16PCS)
weight	0.56KG	10KG
Size	245*140*73mm	510x310x305mm

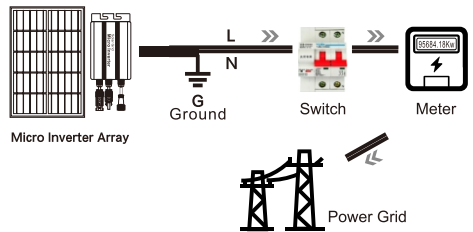
## 2、Micro inverter LED indicator function

- 1.Long bright green light—micro inverter to normal;
- 2.Green light flashing—micro inverter power;
- 3.Long bright red light—An island protection and fault;
- 4.Red light flashing
  - ①.AC voltage under-voltage protection (flash a red light);
  - ②.AC voltage overpressure protection (red light flashing 2);
  - ③.Frequency protection (red light flashes three times).

## 3、Miniature inverter connector and cable core



## 4、System diagram



## 5、Detailed



Note: You can purchase a professionally customized AC bus with a T-type connector. Use this AC bus as the AC bus for each branch. Connect it hand in hand to form a modular micro-inverter branch wiring system.