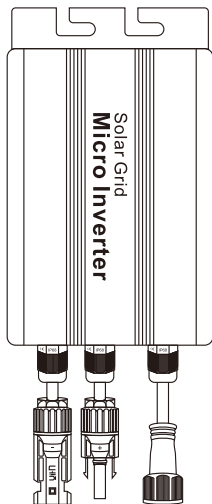


Grid Tie Micro Inverter with MPPT Single Phase/3 Phase User Manual



T-120 T-260 T-700
T-150 T-300 T-600
T-180 T-350 T-500

1、Technical parameters

Model	T-120	T-150	T-180	T-260	T-300	T-350	T-500	T-600	T-700
Operating voltage range	10.8-30V			18-50V			18-50V		
Starting voltage range	12-30V			20-50V			20-50V		
Starting voltage	10.8V			18V			18V		
Maximum input power	120W	150W	180W	260W	300W	350W	500W	600W	700W
Maximum working current	7.5A	9.3A	11A	10.5A	11A	12A	18A	21A	24A
Maximum allowed access to the power of photovoltaic panels	120W	150W	180W	260W	300W	350W	500W	600W	700W
Recommend access parameters of photovoltaic panels	18V@120W	18V@150W	18V@180W	36V@260W	36V@300W	36V@350W	36V@500W	36V@600W	36V@700W
Output parameters	@120VAC / @230VAC								
Output peak power	120W	150W	180W	260W	300W	350W	500W	600W	700W
Rated output power	110W	140W	180W	250W	280W	320W	450W	550W	650W
AC voltage range	80-160VAC / 180-280VAC								
Output current	0.8A/0.4A	1.08A/0.56A	1.25A/0.65A	2.08A/1.08A	2.3A/1.2A	2.6A/1.3A	3.3A/1.8A	4.1A/2.3A	5A/2.7A
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℃-65℃								
Storage temperature range	-40℃-75℃								
Size(L*W*H)	108*110*45mm			148*110*45mm			186*110*45mm		
Net amount	0.45KG			0.65KG			0.9KG		
Waterproof grade	IP65								
Heat dissipation mode	Self-cooling								
Communication mode	NONE								
Power transmission mode	Reverse transmission,Load priority								
monitoring system	NONE								
Electromagnetic Detection	EN50081.part1 EN50082.Part1.CSA STD.C22.2 No.107.1								
Power Grid standard	EN61000-3-2 NBR EN62109 ULSTD.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)		Each(Packing)	Box(12PCS)		Each(Packing)	Box(10PCS)	
weight	0.56KG	10KG		0.8KG	10KG		1KG	10.5KG	
Size	245*140*73mm	510x310x305mm		265*140*73mm	460x275x305mm		305*140*73mm	385*315*310mm	

2、Micro inverter LED indicator function

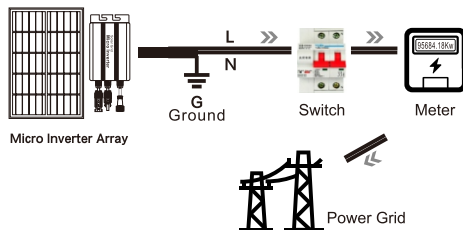
- 1.Long bright green light—micro inverter to normal;
- 2.Green light flashing—micro inverter power;
- 3.Long bright red light—An island protection and fault;
- 4.Red light flashing
 - ①.AC voltage under-voltage protection (flash a red light);
 - ②.AC voltage overpressure protection (red light flashing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

3、Miniature inverter connector and cable core



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.

4、System diagram



5、Detailed

