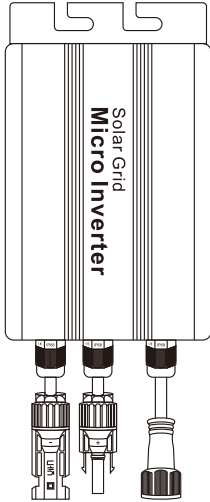


1、 Technical parameters



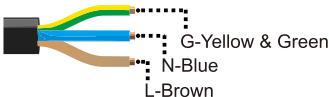
T-120 T-260 T-700
 T-150 T-300 T-600
 T-180 T-350 T-500

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°C-65°C								
Storage temperature range	-40°C-75°C								
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 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 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)	Each(Packing)	Box(10PCS)	Each(Packing)
weight	0.56KG	10KG	0.8KG	10KG	1KG	10.5KG	1KG	10.5KG	10.5KG
Size	245*140*73mm	510x310x305mm	265*140*73mm	460x275x305mm	305*140*73mm	385*315*310mm	305*140*73mm	385*315*310mm	385*315*310mm

2、 Micro inverter LED indicator function

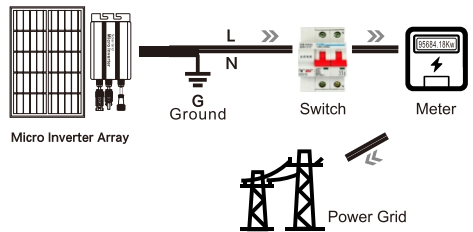
1. Long bright green light—micro inverter to normal;
2. Green light flashing—micro inverter power;
3. Long bright red light—An island protection and fault;
4. Red light flashing
 - ①.AC voltage under-voltage protection (flash a red light);
 - ②.AC voltage overpressure protection (red light flashing 2);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

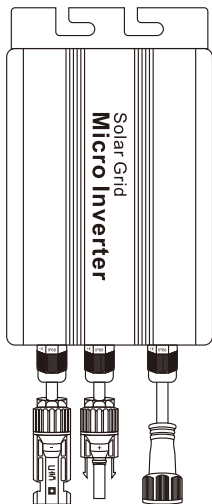
4、 System diagram



5、 Detailed



一、技术参数



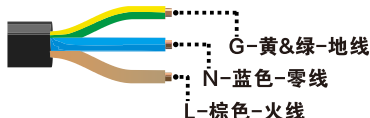
T-120 T-260 T-700
T-150 T-300 T-600
T-180 T-350 T-500

型号	T-120	T-150	T-180	T-260	T-300	T-350	T-500	T-600	T-700
工作电压范围	10.8-30V			18-50V			18-50V		
MPPT工作电压范围	12-30V			20-50V			20-50V		
启动电压	10.8V			18V			18V		
最大输入功率	120W	150W	180W	260W	300W	350W	500W	600W	700W
最大输入电流	7.5V	9.3A	11A	10.5A	11A	12A	18A	21A	24A
最大允许接入光伏板功率	120W	150W	180W	260W	300W	350W	500W	600W	700W
推荐接入光伏板参数	18V@120W	18V@150W	18V@180W	36V@260W	36V@300W	36V@350W	36V@500W	36V@600W	36V@700W
输出参数	@120VAC / @230VAC								
输出峰值功率	120W	150W	180W	260W	300W	350W	500W	600W	700W
额定输出功率	110W	140W	170W	250W	280W	320W	450W	550W	650W
输出电压范围	80-160VAC / 180-280VAC								
输出电流范围	0.8A/0.4A 1.08A/0.56A 1.25A/0.65A 2.88A/1.08A 2.3A/1.2A 2.6A/1.3A 3.3A/1.8A 4.1A/2.3A 5A/2.7A								
输出频率范围	@50Hz:47~53Hz;@60Hz:57~63Hz								
输出功率因素	>95%								
每串电路连接台数	6台(单相@120VAC); 12台(单相@230VAC)								
输出效率									
MPPT追踪效率	0.99								
最大输出效率	93%								
总谐波失真率	THD < 5%								
夜间损耗功率	< 0.5W								
外观及技术特点									
工作温度范围	-20°C-65°C								
储存温度范围	-40°C-75°C								
尺寸(长*宽*高)	108*110*45mm			148*110*45mm			186*110*45mm		
净重	0.45KG			0.65KG			0.9KG		
防水等级	IP65								
散热方式	自冷								
通讯模式	暂无								
电力传输模式	逆向传输,负载优先使用								
监控系统	暂无								
电磁兼容	EN50081, part1 EN50082, Part1, CSA STD. C22.2 No.107.1								
电网认证	EN61000-3-2安规EN62109.LULSTD.1741								
电网检测	DIN VDE 0126IEEE STD.1547.1547.1 and 1547.A								
证书	CE, Patented technology								
包装重量									
规格	单台(包装)	整箱(16台)	单台(包装)	整箱(12台)	单台(包装)	整箱(10台)			
毛重	0.56KG	10KG	0.8KG	10KG	1KG	10.5KG			
尺寸	245*140*73mm	510x310x305mm	265*140*73mm	460x275x305mm	305*140*73mm	385*315*310mm			

二、微型逆变器的LED指示功能

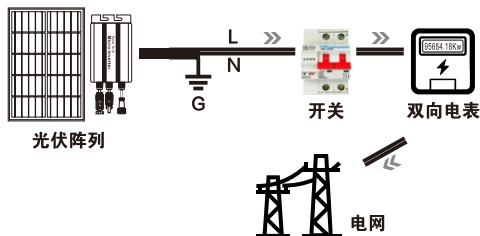
1. 绿灯长亮---微型逆变器上电开机;
2. 绿灯闪烁---微型逆变器发电中;
3. 红灯长亮---孤岛保护、故障;
4. 红灯闪烁---AC电压欠压保护(红灯闪一下);
AC电压超压保护(红灯闪二下);
频率保护(红灯闪三下)。

三、微型逆变器的连接器和电缆芯线说明



注: 您可以选购专业定制的带有T型的连接器的交流总线, 用此交流总线作为每条支路的交流总线, 手拉手连接后构成模块化的微直支干线布线系统。

四、系统组成



五、包装清单

