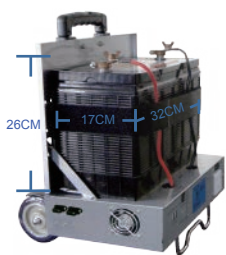
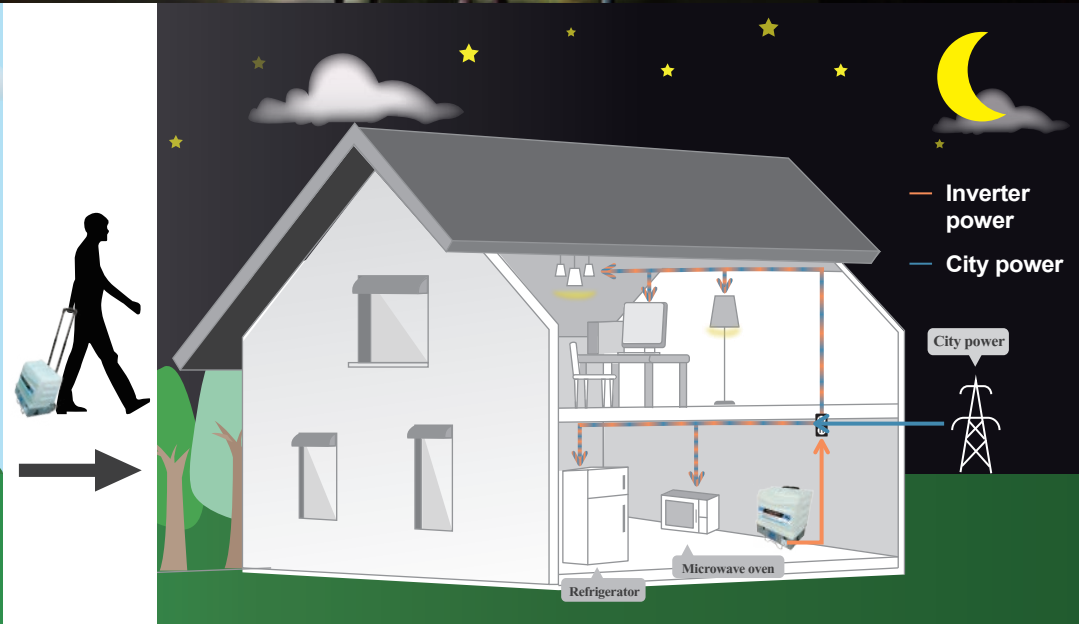
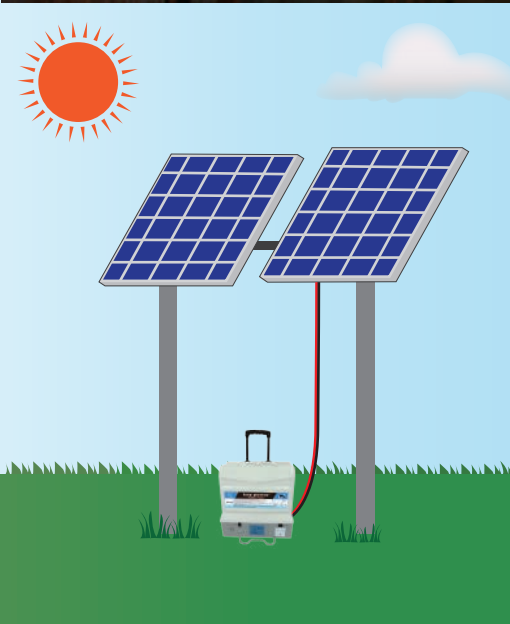




## SOLAR MOBILE POWER

(Utility bypass function)

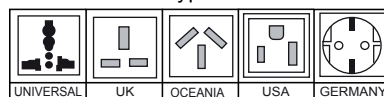


### Model no.:

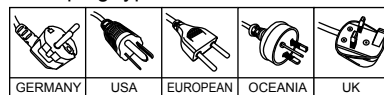
## SK-TM1000C

- 150W(+/-35W) solar panel x2.
- 1000W modified sine wave solar inverter.
- With multistage 10A battery charger.
- 20A PWM solar charger controller.
- 2A/5V USB power port.
- LED display.
- With Trolley.
- 100AH lead-acid battery – optional.
- Lighting – optional.

Inverter socket type :

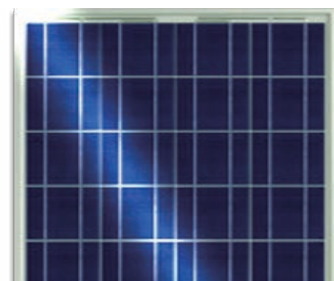


Wire plug type:



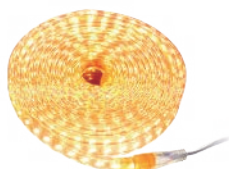
## SOLAR PANEL

150W+/-35W



## LIGHTING

Flexible LED Strip - 5M optional



## BATTERY

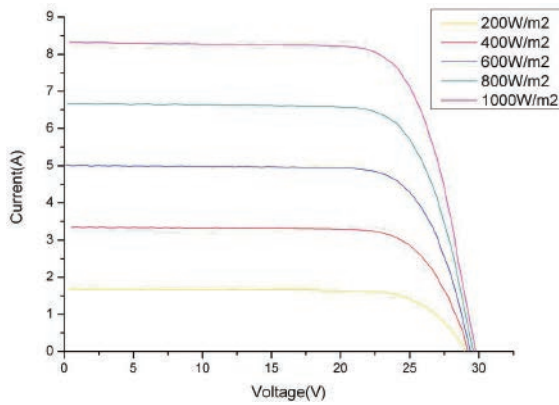
100AH optional



### Flexible LED Strip



### Solar panel :IV Characteristics



### Solar Panel Warranty

**Product Warranty:**  
5 years for material and workmanship

**Performance Guarantee:**  
90% for 10 years Guaranteed output  
80% for 25 years Guaranteed output

EMC tested  
LVD tested



Made in Taiwan

ISO: TS16949

Model No.:		SK-TM1000C		
<b>INVERTER</b>		Float charge voltage:	13.6V	
DC input volt:	12V	Charge return voltage:	13.2V	
Volt range:	10-16VDC	Temperature compensation:	-5mv/°C/2v(Boost charger, Direct charger, Float charger, charger return voltage)	
Surge power:	2000W			
Continuous power:	1000W	Lower voltage indicate:	12.0V	
Wave form:	Modified Sine Wave	Over discharge voltage:	11.1V (no load) - modified voltage by discharge rate of battery	
AC voltage:	100V / 120V / 230V	Over discharge return voltage:	13.1V	
Frequency:	50/60Hz±3%	Over-discharge pressed return voltage:	12.4V	
AC Regulation:	±8%(100V:±10%)	Control mode:	PWM charge mode; modified discharge voltage by the discharge rate	
DC no load current:	0.6A			
Bat. low alarm:	10.5±0.5V	<b>AC CHARGER</b>		
Bat. low shutdown:	10±0.5V	Output current:	10A	
Over voltage:	16±0.5V	AC input volt:	120V(90-135V) / 230V(180-265V)	
Bat. Polarity Reverse:	Fuse burn out	Charging type:	multistage	
USB port:	5V / 2A	Bulk stage:	14.5±0.5V, 10A	
Efficiency:	85%	Absorption stage:	14.5±0.5V, 10A-1A	
Bypass function:	Yes	Float stage:	13.6±0.5V, min. 0.5A	
Low AC input volt transfer to inverter mode.:	90Vac+/-5% or 180Vac+/-5%	Frequency:	45-65Hz	
Low AC input volt recovery to AC mode.:	95Vac+/-5% or 190Vac+/-5%	Recommended Battery Type:	Lead acid	
Connector	Input AC terminal:	Yes	Recommended Battery Size:	40-160AH
	Output AC receptacle:	Yes	Efficiency:	80%
<b>SOLAR CHARGER CONTROLLER</b>		<b>PROTECTION</b>		
Rated charge current:	20A(PWM)	Over load protection:	Yes	
Rated load current:	20A(PWM)	Over temp protection:	Yes	
Work voltage:	12V (<25V) AUTO	Inverter input reverse protection:	Fuse blow	
Over load, short circuit protection:	1.25 rated load current 60sec, 1.5 rated loads current 5sec, over load protection action. ≥3 Rated load current short circuit protection action.	Charger output reverse protection:	Fuse blow	
Self-consumption current:	≤ 6mA	Inverter output short circuit protection:	Shut-off	
Charge circuit voltage drop:	≤ 0.26V	Over temperature:	55°C ±5°C	
Load circuit voltage drop:	≤ 0.15V	<b>ENVIRONMENT</b>		
Work temperature:	Industry stage: -35°C to +55°C; Commercial stage -5°C to +50°C	Working temp.:	-15°C ~45°C	
		Storage temp.:	-25°C ~70°C	
Over voltage protection:	17V	Working humidity:	20%~90% RH non-condensing	
		Storage humidity:	-30°C ~70°C, 10~95% RH	
Boost charge voltage:	14.6V (keep 10min) (only used when overdischarging)	Temp. Coefficient:	±0.05%/°C(0~55°C)	
Direct charge voltage:	14.4V (keep 10min)	<b>OTHERS</b>		
		Dimension(LxWxH)	403*340*455mm	
		Net weight	9.2kgs	

Model No.:		150W Solar Panel (±35W)	
<b>ELECTRICAL PERFORMANCE @ STC *1</b>		<b>MECHANICAL CHARACTERISTICS OF EACH PANEL</b>	
Maximum power Pmax[Wp]:	150W	Dimension(mm):	1474X660X35
Power tolerance *2:	±3%	Weight(kg):	12
Solar cell type:	Multi-crystalline 6" ( 156 x 156 mm)	Junction box:	IP 65 / IP 67 with 2 bypass diodes ; cables 1M/φ= 4mm²
Number of solar cells:	36 (6 x 6)		
Maximum power voltage Vmp[V]:	18.31	Series fuse rating Inside Junction box:	15A
Maximum power current Imp[A]:	8.19	<b>WORKING CONDITION</b>	
Open circuit voltage Voc[V]:	22.71	Maximum system voltage:	600V, 1000V
Short circuit current Isc Isc[A]:	8.81	Operating temperature:	-40 ~ 85°C
Module efficiency [%]:	15.4%	Maximum static load:	Snow load 5400pa Wind load 2400pa
Quantity per package:	2pcs		
*1 STC: Irradiance level 1000 W/m²; spectral AM1.5; temperature 25°C		<b>TEMPERATURE COEFFICIENT</b>	
*2 Power tolerance can be adjusted upon requests		Isc temperature coefficient α(%/°C):	+0.08
*3 NOCT: 46±2°C		Voc temperature coefficient β(%/°C):	-0.34
		Pmax temperature coefficient (%/°C):	-0.43

※Note 1: Picture for reference only. Actual product may vary.

※Note 2: Specifications subject to change without notice.