

# TSUN Easy Solar Kit (1st Generation)



TSOL-ESK300/350



Garden



Flat Rooftop



Platform

TSUN Easy Solar Kit (1st Generation) , a combination of solar panel, micro inverter and angle-adjustable bracket, breaks the pattern of traditional solar panel installation, enabling more energy, easier installations, lower costs and higher protection. The integrated Easy Solar Kit allows for compact transportation, distribution and provides alternative installation places like the garden, flat rooftop, campground and etc, permitting installation by yourself by pulling the bracket out.



## More Energy

Combine micro inverter and high quality panel, with adjustable opening angle to maximize the electrical generating capacity.



## All-In-One

Integrated with micro inverter, AC safety box (optional) and cables. Portable and foldable for various applications.



## Easier Installation

Plug & play connection, no requirement for professional installation.



## Guaranteed Quality

12-year system warranty, 25-year extra linear power output warranty on solar panel.



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## Optional Accessories

Safety Box	Socket Power Meter	AC Socket	AC Interconnection Cable
			
<p>Safety box is designed to match solar systems with micro inverters, providing leakage protector, circuit breaker and smart power meter for each unit, simple structure, easy installation.</p>	<p>Easily measure the power consumption and cost of your appliances. Simply plug the meter into the wall and insert the micro inverter plug into the meter.</p>	<p>Electrical conductor design inside the AC socket for safety protection.</p>	<p>2m.Used for connection between every two Easy Solar Kits, to form a continuous AC branch circuit.</p>

## Product Highlights



- ⓘ Each Easy Solar Kit is transported as one single package, compliant to the shipping standard to prevent breakage.
- ⓘ Different types of AC socket options, compliant to the national standards.
- ⓘ AC end cable plus optional AC socket to connect the system directly to grid.
- ⓘ Micro inverters can be connected via AC interconnection cable.
- ⓘ Portable and foldable module with angle adjusted according to the scale on the bracket.
- ⓘ With each module operating independently from others making up the array, the failure of any modules will not affect the operation of the overall system.
- ⓘ Safety box is optional and usually installed at the last panel in the string of the system.
- ⓘ Baseplate filled with sand, stone or bricks to increase the pressure.

## Technical Data

Model	TSOL-ESK300	TSOL-ESK350
<b>DC Power Data</b>		
Standard Panel DC Power	275W (optional up to 320W)	300W (optional up to 370W)
Module Efficiency	16.80%	18.94%
Power Tolerance	+3%	+3%
Temp. Coef. (Power)	-0.40%/C	-0.39%/C
<b>AC Electrical Data</b>		
Max. Continuous Output Power (W)	270	300
Max. Output Current (A)	1.19	1.36
Nominal Output Voltage (V)	220/230/240	
Nominal Frequency (Hz)	50/60	
Power Factor	>0.99	
Output Current Harmonic Distortion	<3%	
<b>Certification</b>		
Solar Module	CE,TUV,UL,CEC,JET,IEC 61215,IEC 61730, UL 1703	
Micro Inverter	CE-LVD,CE-EMC,VDE 4105,VDE 0126,EN 50549	
<b>Environmental Data</b>		
Environmental Protection Rating	IP67	
Operating Ambient Temperature Rang	-40C to60C	
Relative Humidity	0-100%	
Max. Operating Altitude Without Derating [m]	2000	
<b>Mechanical Data</b>		
Weight [kg]	30	
Dimensions (W×H×D mm)	1850*1185*100	
Packing Configuration	10 pcs/pallet, 24 pallets/40HQ	
Warranty	12 years	

Note: Easy Solar Kit can be customized.

For more information, visit/contact us at [www.tsun-ess.com](http://www.tsun-ess.com)