

TSUN Easy Solar Kit (2nd Generation)



TSOL-ESK350/400/800/1600-E



Garden



Flat Rooftop



Platform

TSUN Easy Solar Kit (2nd 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. Compared with Easy Solar Kit (1st Generation), Easy Solar Kit (2nd Generation) is lighter and more economical, and can be fixed or adjustable.



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, solar panel 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.



TSUNESS Co., Ltd

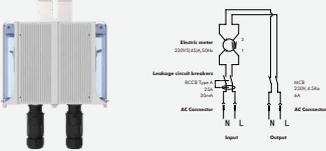
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Optional Accessories

Safety Box	Socket Power Meter	AC Socket	AC Interconnection Cable
			
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.	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.	Electrical conductor design inside the AC socket for safety protection.	2m.Used for connection between every two Easy Solar Kits, to form a continuous AC branch circuit.

Product Highlights



- ⓘ Using aluminum frame base, small size and light weight, less than 35kg, can be delivered to the home by express mail.
- ⓘ 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. (Optional)
- ⓘ 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.
- ⓘ Strong expandability, interconnectable by extension cable, making the system more flexible.

Technical Data

Model	TSOL-ESK350-E	TSOL-ESK400-E	TSOL-ESK800-E	TSOL-ESK1600-E
DC Power Data				
Module Power(P _{nom}) *	310	350	350	380
Module Efficiency	16.80%	18.94%	18.94%	18.94%
Power Tolerance	+3%	+3%	+3%	+3%
Temp. Coef. (Power)	-0.40%/C	-0.39%/C	-0.39%/C	-0.39%/C
Quantity of modules	1	1	2	4
AC Electrical Data				
Max. Continuous Output Power (W)	300	350	700	1500
Max. Output Current (A)	1.45	1.59	3.19	6.82
Nominal Output Voltage (V)**	220/230/240			
Nominal Frequency (Hz)**	50/60			
Power Factor	>0.99			
Output Current Harmonic Distortion	<3%			
Certification				
Solar Module	CE,TUV,UL,CEC,JET,IEC 61215,IEC 61730, UL 1703			
Microinverter	CE-LVD,CE-EMC,VDE 4105,VDE 0126,EN 50549			
Environmental Data				
Environmental Protection Rating	IP67			
Operating Ambient Temperature Range	-40 C to 60 C			
Relative Humidity	0-100%			
Max. Operating Altitude Without Derating [m]	2000			
Mechanical Data				
Weight [kg]	30	34	35*1 (Main Kit) 32 *1 (Expansion Kit)***	35*1 (Main Kit) 32 *3 (Expansion Kit)***
Dimensions (W×H×D mm)****	1650*1000*93	2000*1000*93 1650*1000*93(optional)	2000*1000*93 1650*1000*93(optional)	2000*1000*93 1650*1000*93(optional)
Packing Configuration	60 cell solar module: 12 pcs kit / pallet, 28 pallet/40HQ 72 cell solar module: 12 pcs kit / pallet, 20 pallet/40HQ			
Warranty	12 years			

* Solar Module can be customized.

** The AC voltage and frequency range may vary depending on specific country grid.

*** Expansion Kit means the standard Easy Solar Kit without microinverter.

****Dimension of Easy Solar Kit is optional according to the solar module used.

For more information, visit/contact us at www.tsun-ess.com