

MORE SAFETY MORE POWER



TSUNESS Headquarter

E-mail: sales@tsun-ess.com
Tel: +86 512 6618 6028
Add: 2nd Floor, Building 3, No. 2266, Taiyang Road, Xiangcheng District, Suzhou, China
Add: Building E1, No. 555, Chuangye Road, Dayun Town, Jiashan Country, Jiaxing City, Zhejiang Province, China

TSUNESS GmbH

Web: de.tsun-ess.com
Tel: +49 69 12009191
Add: 15th floor, Tower One, Bruesseler Strasse 1-3, Frankfurt, 60327, Hessen, Germany

TSUNESS Brazil Branch

Web: pt.tsun-ess.com
Tel: +55 (31) 99120-6089
Add: Belo Horizonte, Minas Gerais, Brazil



**EASY SOLAR KIT
Balcony Vertical**

TSOL-ESK400-BV / TSOL-ESK800-BV



Applicable for
Sleek Design and Seamless
Integration with the
Balcony



Solid



Highly Waterproof



Wind-resistant



Plug & Play



All-in-one Design



DIY Installation



Built-in WiFi,
APP Remote Monitoring



Output Power 400W/800W
Can be Adjusted According to
Local Regulations

TSUNESS Co., Ltd

sales@tsun-ess.com www.tsun-ess.com +86-512-66186028

Technical Data

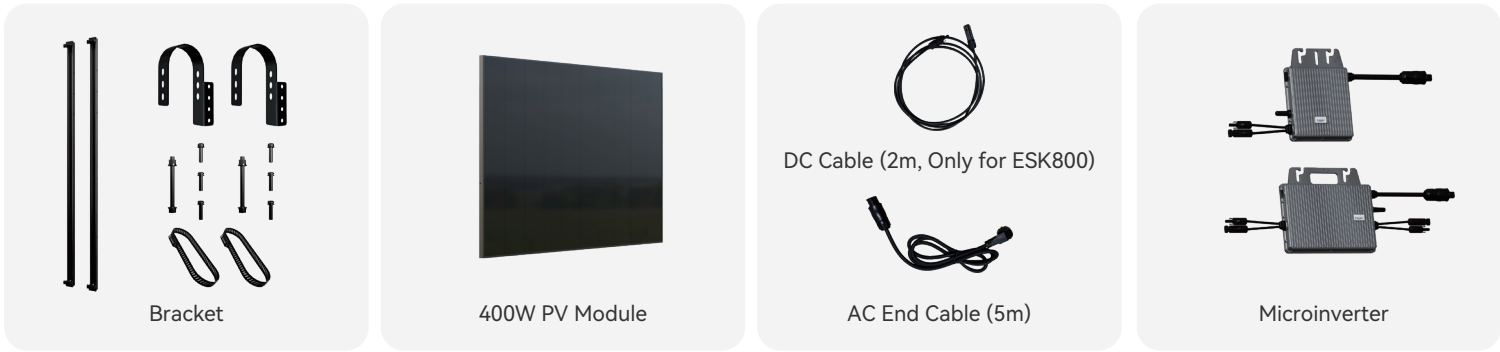
Model	TSOL-ESK400-BV	TSOL-ESK800-BV
PV Module Parameter *		
Module Power(Pmpp @STC)	400 (400 – 460 optional)	400 * 2 (400 – 460 optional)
Max. Module Efficiency	20.7% (up to 24%)	20.7% (up to 24%)
Temp. Coef. (Power)	-0.34%/°C	-0.34%/°C
Color	Black	Black
AC Output Parameter		
Max. System Continous Output Power (W)**	400	800
Max. Output Current (A)	2	4
Nominal Output Voltage (V)***	220/230/240	
Nominal Frequency (Hz)***	50/60	
Power Factor	>0.99	
Output Current Harmonic Distortion	<3%	
Length of AC End Cable***	5m (10m, 15m optional)	
Certification		
Solar Module	CE,TUV,UL,CQC,IEC 61215,IEC 61730	
Microinverter	CE-LVD,CE-EMC,CE-RED,VDE 4105,EN 50549-1	
Bracket	EN 10204:2017, EN 1090-1:2009+A1: 2011	
Environmental Parameter		
Environmental Protection Rating	IP67	
Operating Ambient Temperature Range	-25 °C to 65 °C	
Relative Humidity	0-100%	
Max. Operating Altitude Without Derating [m]	2000	
Mechanical Parameter		
Weight [kg]	27	54
Package Dimensions (W×H×D mm)	1722x1195x164	1722x1195x164 *2pcs
Color	S: Silver / B:Black / BC: Blakc Piemer (Back Contact PV module)	
Warranty	12 years	

* The colour , brand and power of the solar module can be customized if the PV module is compatible to ESK system.
** The output power of the system can be limited to 300W(ESK400) or 600W(ESK800).
*** The AC voltage , frequency range and plug type may vary depending on specific country grid.

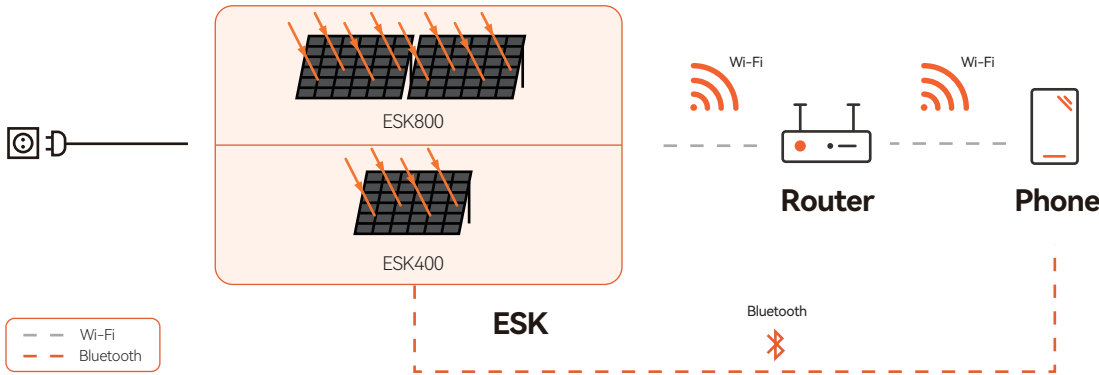
Ordering Information

Model		
Balcony Vertical	TSOL-ESK400-BV	TSUNESS ESK Balcony Vertical (400W Full black panel, Black bracket without angle, Microinverter MS400, End cable 5m and plug)
Balcony Vertical	TSOL-ESK800-BV	TSUNESS ESK Balcony Vertical (400W Full black panel*2, Black bracket without angle*2, Microinverter MS800, DC cable 2m*2, End cable 5m and plug)

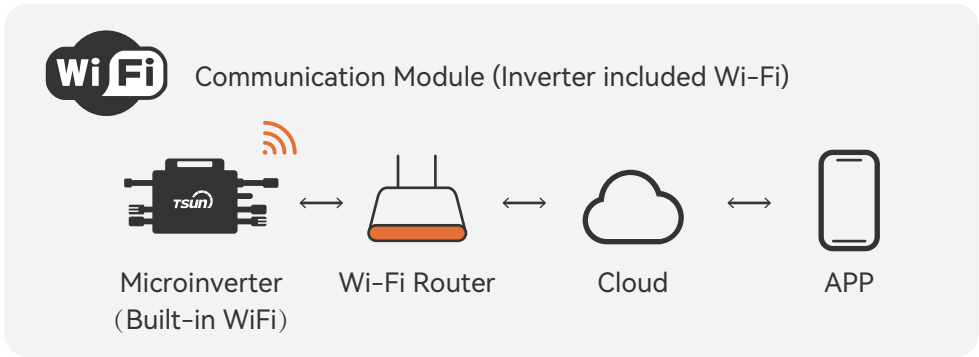
Standard Configuration



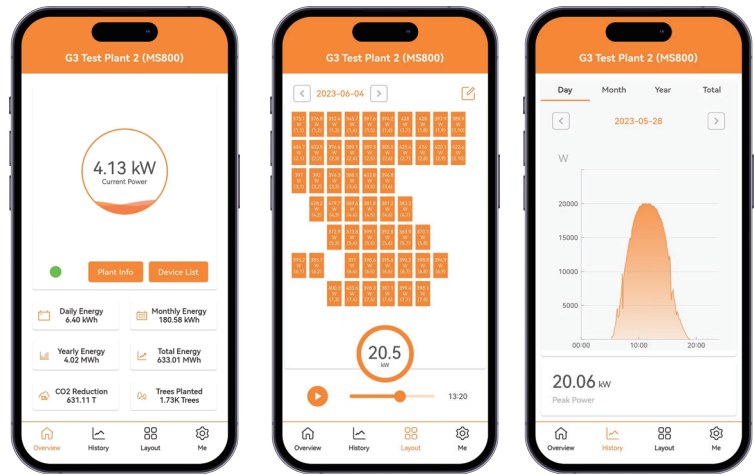
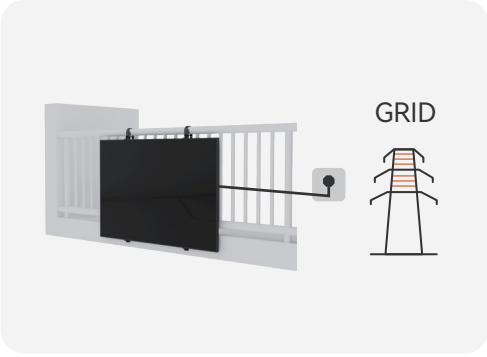
System Diagram



Monitoring Platform



Application



Talent Home is an **energy monitoring mobile application software**.

Users can use **Talent Home** to **monitor the real-time operation of the entire pv power generation system**.

Monitor Generation Data of Solar Plant

One-button to Connect Network

Power Generation Statistics

Module-level Monitoring System

Fast Network Configuration