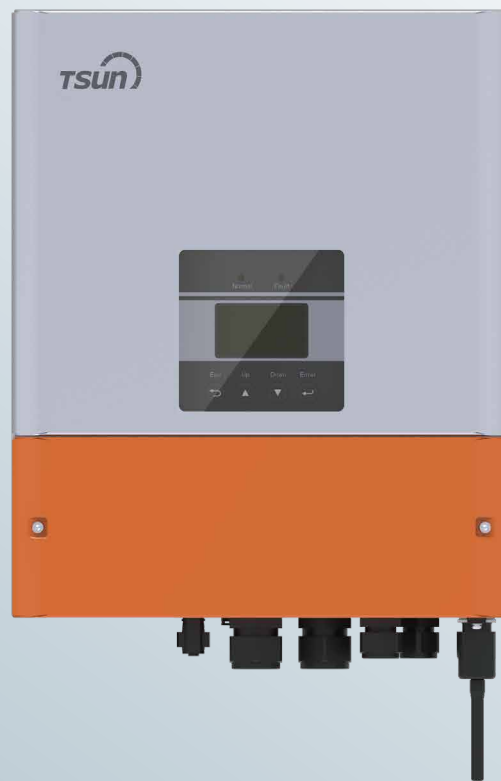


TSUN AC Coupled Inverter



TSOL-A3.0K/3.6K/4.0K/5.0K/6.0K-S



Flexibility

- Compatible with on-grid photovoltaic systems, easy retrofits.
- Multi operating modes optional.

Reliable and Safe

- High efficiency, less maintenance.
- High frequency isolation between battery and grid.
- Advanced BMS technology for better battery performance.
- Low battery voltage, much safer.

Easier Operation

- Flexible installation site selection due to IP65.
- LCD Display, easy-to-read display.
- Easy monitoring by mobile phone (APP) & PC (web).

Intelligent

- Reactive power capability.
- Limits AC output when grid frequency/voltage is too high or too low.
- Built-in anti-reflex function (optional).

CE VDE 0126 VDE 4105 CEI 0-21 G98 G99 IEC/EN 62477



TSUNESS Co., Ltd

E-mail: sales@tsun-ess.com

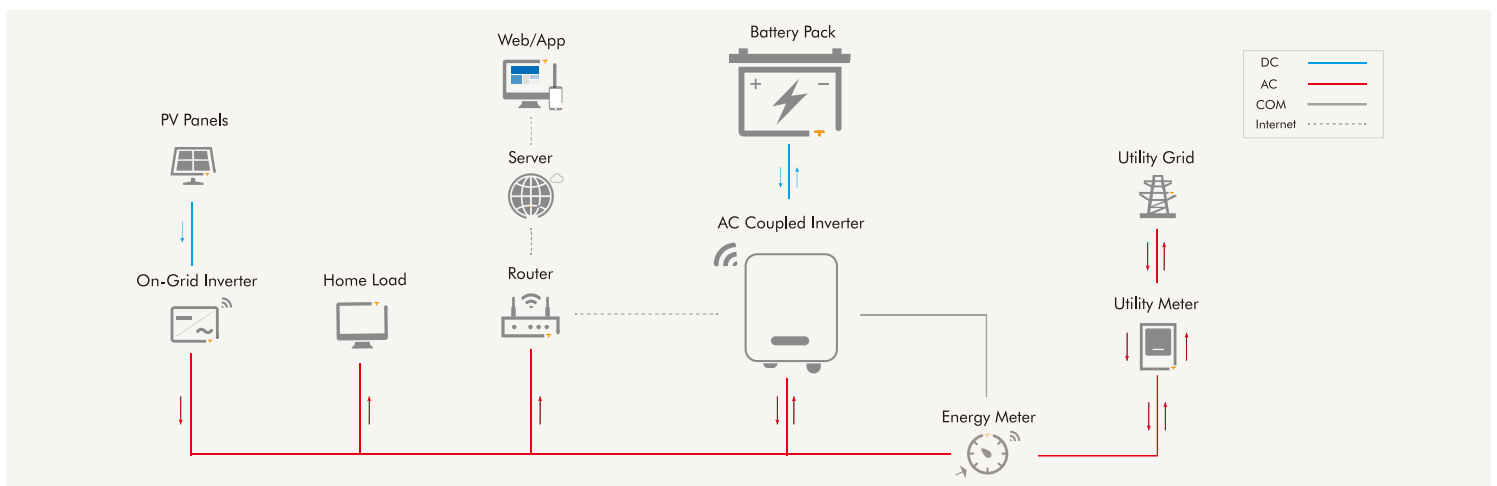
Web: www.tsun-ess.com

Tel: +86-512-6618 6028

Add: Building E1, No. 555, Chuangye Road, Dayun Town,
Jiashan County, Jiaxing City, Zhejiang Province, China

Technical Data

Model	TSOL-A3.0K-S	TSOL-A3.6K-S	TSOL-A4.0K-S	TSOL-A5.0K-S	TSOL-A6.0K-S
Output (AC)					
Rated AC power	3000W	3680W	4600W	5000W	6000W
Max. apparent AC power	3000VA	3680VA	4600VA	5000VA	6000VA
Rated grid voltage (AC voltage range)	220/230/240(180 to 270)Vac				
Rated grid frequency	50/60Hz				
Max. output current	14A	16A	21.4A	23.2 A	27.9 A
Displacement power factor	0.8 leading - 0.8 lagging				
Total harmonic distortion (THDi, rated power)	<3%				
Input (AC)					
Max. apparent AC power	3000VA+3000VA (bypass)	3680VA+3680VA (bypass)	4600VA+4600VA (bypass)	5000VA+5000VA (bypass)	6000VA+6000VA (bypass)
Rated grid voltage (AC voltage range)	220/230/240 (180 to 270)Vac				
Rated grid Frequency	50/60Hz				
Max. AC current	14A+14A (bypass)	16A+16A (bypass)	21.4A+21.4A (bypass)	23.2 A+23.2A(bypass)	27.9.2 A+27.9A (bypass)
Displacement power factor	0.8 leading - 0.8 lagging				
Battery Internal Charger					
Battery type	Lead-acid battery / Lithium battery				
Battery nominal voltage	48V				
Max. charge/discharge current	106A (adjustable)				
Charging curve	3-stage adaptive with maintenance				
Discharge depth	80% (adjustable)				
Communication interfaces	CAN/ RS485				
Reverse connect protection	YES				
EPS Output (with battery)					
EPS MAX power	3000W	3680W	4600W	5000W	6000W
EPS rated power	3000VA	3680VA	4600VA	5000VA	6000VA
EPS rated voltage, frequency	230Vac, 50/60Hz				
Max. EPS current	14A	16A	21.4A	23.2 A	27.9A
EPS peak power	5500W, 30s		8000W, 10s		
Switch time	<0.5s				
Total harmonic distortion (THD, linear Load)	<3%				
Parallel operation	NO				
Compatible with the generator	YES (signal provided)				
Efficiency					
MPPT efficiency	99.90%				
Max. efficiency / European weighted efficiency	97.60% / 97.00%				
Max. Battery charge efficiency (@full load)	94.50%				
General data					
Dimensions (W / H / D) (include inverter and packing)	440mm*560mm*180mm				
Weight (Not include inverter and packing)	22 kg				
Operating temperature range	-20~60 C (derating at 45)				
Storage temperature	-20~60 C				
Humidity	0~95% (non-condensing)				
Altitude	<2000m				
Noise emission (typical)	<40 dB				
Self-consumption (night)	<3W				
Topology	Transformerless				
Cooling concept	Natural				
Ingress protection	IP65				
Features					
LCD Display	128*64				
Communication	WIFI(optional)/GPRS(optional)				
Warranty	5 years				
Certificates and approvals (additional on request)	VDE 0126-1-1 / VDE-AR-N 4105 /G98 / G99/ AS4777 / EN50549/ CEI 0-21 / VDE 2510 EN 61000-6-1 / EN 61000-6-2 / EN 61000-6-3 / IEC62109-1/-2 / IEC62040				



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

©2019 TSUNESS. All rights reserved. All specifications are subject to change without prior notice.