

## EVVO 4000TLG2-EVVO 5000TLG2- EVVO 6000TLG2



EVOLVING INTO A  
**CLEANER & GREENER  
FUTURE**



Ongrid  
Inverter



Global Service  
Centre



Easy  
Service Solution

## KEY FEATURES

### Efficient Higher Revenue

- 150% DC Input Oversizing
- Wide MPPT voltage range: 50V-550V
- Max. input current per string: 20A, Compatible with high power modules

### Intelligent Simple O&M

- Smart I-V Curve Diagnosis Function: locate PV string faults accurately and automatically detect faults
- Intelligent Fault Detection: AC side voltage and current waveforms real-time recorded, fast fault location
- Support RS485/WiFi/4G: remote monitoring and operation via PC or mobile phones

### Reliable Worry Free

- IP66 Protection Degree: support outdoor installation
- DC & AC Type II SPD: prevent lightning damage
- AFCI Function (Optional): when an arc-fault is detected the inverter immediately stops operation

**8/10<sup>\*</sup>**  
**YEARS**  
**WARRANTY**

\*Inverter Picture is for reference purpose only & may differ from actual

MANUFACTURING UNIT: INDIA, CHINA

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**THINK SOLAR**  
**THINK 25 YEARS**  
**THINK EVVO**

MODEL	EVVO 4000TL-G2	EVVO 5000TL-G2	EVVO 6000TL-G2
<b>DC Input</b>			
Max. Input Power	6kW	7.5kW	9kW
Max. Input Voltage	600V		
Start Voltage	50V		80V
Rated Input Voltage	360V		
MPPT Voltage Range	50v ~ 550v		80v ~ 560v
Number of MPP Trackers / String per MPPT	1/1		2/1
Max. Current per MPPT	20A		
Max. Short Circuit Current per MPPT	26A		
<b>AC Output</b>			
Max. Output Current	20A	22.7A <sup>d</sup>	30A
Rated Output Power	4kW	5kW <sup>a</sup>	6kW
Max. Output Power	4.4kVA	5kVA <sup>c</sup>	6.6kW
Rated Grid Frequency	50Hz / 60Hz		
Rated Grid Voltage	220Vac / 230Vac / 240Vac		
Power Factor	>0.99 ( 0.8 leading ~ 0.8 lagging )		
THDi	<3% ( Rated Power )		
<b>Efficiency</b>			
Max. Efficiency	97.80%		98.30%
European Efficiency	97.30%		97.40%
MPPT Efficiency	99.90%		
<b>Protection</b>			
DC Reverse Polarity Protection	Yes		
Anti-islanding Protection	Yes		
AC Short Circuit Protection	Yes		
Residual Current Monitoring Unit	Yes		
Insulation Resistance Monitoring	Yes		
Ground Fault Monitoring	Yes		
Grid Monitoring	Yes		
PV String Monitoring	Yes		
Surge Protection	Type II		
AFCI Protection	Optional		
<b>Communication</b>			
Display	LCD / LED+APP		
Communication	RS485 / WiFi / 4G		
<b>Standard Compliance</b>			
Certification	IEC/EN 62109-1/2, IEC/EN 61000-6-1/ 3, EN50549, IEC61727/ IEC62116		IEC 62109-1, IEC 62109-2, EN 61000-6-1, EN 61000-6-2, EN 61000-6-3
<b>General Data</b>			
Dimensions (W x H x D)	270 x 250x 130mm		380 x 380 x 160 mm
Weight	5.5kg		13kg
Operating Temperature Range	30° C ~ +60° C		
Cooling Method	Natural		
Protection Degree	IP66		
Max. Operating Altitude	4000m		
Relative Humidity	0 ~ 100%		
Topology	Transformerless		
Night Power Consumption	<1W		

**a:**For AS4777,Rated Output Power of XG5KTL is 4999W. | **b:**For VDE-AR-N 4105,Max. Output Power of XG4K6TL is 4600VA.For AS4777,Max. Output Power of XG4K6TL is 4999VA.

**c:**For AS4777,Max. Output Power of XG5KTL is 4999VA | **d:**For AS4777,Max. Output Current of XG4K6TL and XG5KTL is 21.7A.