

EVVO 1600TL-AV EVVO 2200TL-AV EVVO 3000TL-AV



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^{*}
YEARS
WARRANTY

* Conditions Apply

*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**

PARAMETERS

MODEL	EVVO 1600TL-AV	EVVO 2200TL-AV	EVVO 3000TL-AV
DC Input			
Max. Input Power	2.25kW	3kW	4.5kW
Max. Input Voltage	600V		
Start Voltage	50V		
Rated Input Voltage	360V		
MPPT Voltage Range	50v ~ 550v		
Number of MPP Trackers / String per MPPT	1/1		
Max. Current per MPPT	20A		
Max. Short Circuit Current per MPPT	26A		
AC Output			
Max. Output Current	7.5A	10A	15A
Rated Output Power	1.5kW	2kW	3kW
Max. Output Power	1.65kVA	2.2kVA	3.3kVA
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)		
Efficiency			
Max. Efficiency	97.30%		97.60%
European Efficiency	97.00%		97.20%
MPPT Efficiency	99.90%		
Protection			
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		
Communication			
Display	LCD / LED+APP		
Communication	RS485 / WiFi / 4G		
Standard Compliance			
Certification	IEC/EN 62109-1/ 2, IEC/EN 61000-6-1/ 3, EN50549, IEC61727/ IEC62116		
General Data			
Dimensions (W x H x D)	270 x 250x 130mm		
Weight	5.5kg		
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		