

EVVO 50000TL3P / EVVO 60000TL3P THREE PHASE

EVOLVING INTO A
CLEANER & GREENER
FUTURE



ON GRID INVERTER

THREE PHASE



Zero Export &
DG Sync Compatible



Ongrid
Inverter



Global Service
Centre



72 Hours
Service Solution

- Max. 4 MPP trackers, Max. efficiency up to 98.7%
- Zero export application, VSG application
- Intelligent Energy monitoring (optional)
- Wide output voltage range
- Supports High Wattage Modules
- Anti-PID function (Optional)

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**

Model	EVVO 50000TL3P	EVVO 60000TL3P
Input Side		
Max. DC Input Power (kW)	65	78
Max. DC Input Voltage (V)	1000	
Start-up DC Input Voltage (V)	250	
MPPT Operating Range (V)	200~850	
Max. DC Input Current (A)	40+40+40+40	
Max. Short Circuit Current (A)	60+60+60+60	
Number of MPPT / Strings per MPPT	4/3	
Output Side		
Rated Output Power (kW)	50	60
Max. Active Power (kW)	55	66
Nominal Output Voltage / Range (V)	3L/N/PE 380V/323V-418V, 400V/340V-440V	
Rated Grid Frequency (Hz)	50 / 60 (Optional)	
Operating Phase	Three phase	
Rated AC Grid Output Current (A)	72.4	87
Max. AC Output Current (A)	79.7	95.7
Output Power Factor	0.8 leading to 0.8 lagging	
Grid Current THD	<3%	
DC Injection Current (mA)	<0.5%	
Grid Frequency Range	47~52 or 57~62 (Optional)	
Efficiency		
Max. Efficiency	98.7%	
Euro Efficiency	98%	
MPPT Efficiency	>99%	
Protection		
DC Reverse-Polarity Protection	Yes	
AC Short Circuit Protection	Yes	
AC Output Overcurrent Protection	Yes	
Output Overvoltage Protection	Yes	
Insulation Resistance Protection	Yes	
Ground Fault Monitoring	Yes	
Anti-islanding Protection	Yes	
Temperature Protection	Yes	
Integrated DC Switch	Yes	
Remote software upload	Yes	
Remote change of operating parameters	Yes	
Surge protection	DC Type II / AC Type II	
General Data		
Size (mm) WxHxD	647.5×537×303.5	
Weight (kg)	44.5	
Topology	Transformerless	
Internal Consumption	<1W (Night)	
Running Temperature	-25~65 C, >45 C derating	
Ingress Protection	IP65	
Noise Emission (Typical)	<45 dB	
Cooling Concept	Smart cooling	
Max. Operating Altitude Without Derating	2000m	
Designed Lifetime	>20 years	
Grid Connection Standard	CEI 0-21, VDE-AR-N 4105, NRS 097, IEC 62116, IEC 61727, G99, G98, VDE 0126-1-1, RD 1699, C10-11	
Operating Surroundings Humidity	0-100%	
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2	
Features		
DC Connection	MC-4 mateable	
AC Connection	IP65 rated plug	
Display	LCD 240 × 160	
Interface	RS485/RS232/Wifi/LAN	

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