

EVVO 80 / EVVO 100 / EVVO 110
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. 6 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)
- Type II DC/AC SPD

8/10*
YEARS
WARRANTY

*Conditions Apply

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

MANUFACTURING UNIT:
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THINK SOLAR
THINK 25 YEARS
THINK EVVO

Model	EVVO 80	EVVO 100	EVVO 110
Input Side			
Max. DC Input Power (kW)	104	150	150
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	40+40+40+40+40+40	
Max. Short Circuit Current (A)	60+60+60+60	60+60+60+60+60+60	
Number of MPPT / Strings per MPPT	4/4	6/4	
Output Side			
Rated Output Power (kW)	80	100	110
Max. Active Power (kW)	88	110	121
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)	101.5	144.9	159.4
Max. AC Output Current (A)	111.8	159.4	175.4
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	98.3%		
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	700×575×297	838×568×323	
Weight (kg)	60	73.7	
Topology	Transformerless		
Internal Consumption	<1W (Night)		
Running Temperature	-25~65 C, >45 C derating		
Ingress Protection	IP65		
Noise Emission (Typical)	<55 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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