

Single Phase On-Grid Solar Inverter

3KW

VT-6603105 SKU: 11369

5KW

VT-6605105 SKU: 11370

5 YEAR
WARRANTY



3KW

VT-6603110 SKU: 11379

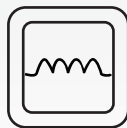
5KW

VT-6605110 SKU: 11380

10 YEAR
WARRANTY



Zero Export
Function
(Optional)



External
Inductor



IP65



Natural Cooling,
Low noise



Aluminum
Enclosure



5+5 Years
Warranty



SOLAR ENERGY

	MODEL	VT-6603105, VT-6603110	VT-6605105, VT-6605110
Input (DC)	Max. Input Power	3.6kW	6kW
	Max. Input Voltage	600V	
	Start Voltage / Min. Operating Voltage	120V / 100V	
	MPPT Voltage Range	120V-550V	
	MPPT Rated Voltage	360V	
	Number of MPP Trackers / String per MPPT	2/1	
	Max. Current per MPPT	8A	12A
Output (AC)	Max. Output Current	14A	20A
	Rated AC Power	3kW	4.6kW
	Rated Grid Frequency	50Hz / 60Hz	
	Rated Grid Voltage	230V, L+N+PE	
	Power Factor	≥0.99 (Rated Power)	
	THDi	<3% (Rated Power)	
Efficiency	Max. Efficiency	97.7%	97.8%
	European Efficiency	96.7%	96.8%
	MPPT Efficiency	99.9%	
Protection	Protection	DC switch, AC short-circuit protection, Over current protection, Over voltage protection, Isolation protection, RCD, Surge protection, Anti-islanding protection, Over-temperature protection, Ground fault monitoring, etc.	
Communication	Display	LED (Optional) / LCD (Standard)	
	System Language	English / Chinese / German / Dutch	
	Communication	Standard: RS485	
Standard Compliance	Grid Connection Standards	IEC 61727:2004, IEC62116:2014, IEC 60068-2-1:2007, IEC 60068-2-2:2007, IEC 60068-2-14:2009, IEC 60068-2-30:2005, IEC 61683:1999, DIN VDE 0126-1-1:2013, DIN VDE V 0124-100:2020, VDE-AR-N 4105:2018, G98:2019, C10/11:2019, AS/NZS 4777.2:2020, NB/T 32004-2018, PEA, ZVR	
	Safety / EMC	IEC/EN 62109-1:2010, IEC/EN 62109-2:2011, EN 61000-6-2:2019, EN 61000-6-3:2007/A1:2011	
General Data	Dimensions (W x H x D)	360 x 462 x 150 mm	
	Weight	18kg	
	Operating Temperature Range	-25°~+60° (Derating above 45°)	
	Cooling Method	Natural Cooling	
	Protection Degree	IP65	
	Noise	<30dB	
	Highest Altitude	3000m (Derating above 2000m)	
	Relative Humidity	0-95%	
	Topology	Transformerless	
	Night Power Consumption	<1W	
Warranty	5years (Standard) / 10years (Optional)		



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