



SOLAR ENERGY

## Single Phase On Grid/Off Grid Solar Inverter



**3** YEAR  
WARRANTY

5KW

VT-6605103 SKU: 11376



High DC/AC  
ratio



Battery capacity  
from 2.4 to 14.4kW.h



User Friendly  
HMI



Easy to install



Support  
battery  
customization

**V-TAC**<sup>®</sup>  
INNOVATIVE LED LIGHTING



SOLD IN OVER  
**70** COUNTRIES

[www.vtacexports.com](http://www.vtacexports.com)

ONE BRAND, ENDLESS SOLUTIONS.



**SOLAR ENERGY**

	MODEL	VT-6605103
Input (PV)	Max. PV Input Power	7kW
	Max. PV Input Voltage	550V
	MPP Voltage Range	125V - 500V
	Max. PV Input Current	14A
	Number of MPP Trackers / String per MPPT	2 / 1
Output (AC)	Max. Output Current	21.7A
	Rated Power	5kW
	Rated Voltage	230V, L + N + PE
	Operating Voltage Range	180V - 270V
	Rated Frequency	50Hz / 60Hz
Power Factor	1(0.99 lagging ~ 0.99 leading)	
Output (EPS)	Rated Power	5kVA
	Rated Voltage	230Vac
	Rated Current	21.7A
	Rated Frequency	50Hz / 60Hz
	Overload Capability	110%, 60s / 120%, 30s / 150%, 10s
	THDU	<2%
Battery	Charge / Discharge Current	95A / 110A
	Battery Type	Lithium Iron Phosphate
	Battery Module	Customizable
	Battery Capacity	2.4kWh - 14.4kWh
	Max. Parallel Batteries	6
	Life Span	>10 years (25°C/77F)
Efficiency	Max. DC Efficiency	97.6%
	MPPT Efficiency	99.9%
Communication	Display	LCD
	Communication	standard: RS485 / CAN / DRM optional: WiFi / Lan
Standard Compliance	Safety	IEC 62109-1&-2, IEC 62477, CE-EMC
General Data	Dimensions (W x H x D)	580 x 1800 x 350 mm
	Weight	70kg
	Operation Temperature	-10°C ~ +60°C
	Cooling Method	Forced Air Cooling
	Protection Degree	IP20
	Noise Emission	< 50dB
	Max. Operating Altitude	5000m (derating above 2000m)
	Relative Humidity	15% ~ 85% (non-condensing)
	Topology	Transformerless

