

# VolTie Series

Single Phase On-Grid Solar Inverter

Capacity 2kW



# VolTie Series

## Single Phase On-Grid Solar Inverter



Enhance the efficiency and precision of your solar system with Servotech's cutting-edge On-Grid Solar Inverters. Our VolTie Series, ranging from 1kW to 6kW, is engineered for seamless integration with residential solar setups. Designed to optimize energy conversion, these inverters feature a clear LCD screen, easy remote settings, and intuitive graphics on both web and app platforms. Enjoy versatile communication options including Wi-Fi, P2P, LAN, GPRS, and RS485. Trust Servotech to elevate your solar power generation with top-tier performance and innovation.

### APPLICATIONS



Residential  
Rooftops



Commercial  
Buildings



Educational and  
Institutional Buildings



Community  
Solar Projects



Wide Input  
Voltage Range



Power export  
limit



Compact and  
easy to install



Wifi/GPRS/Lan  
communication  
optional

### KEY FEATURES



Wide Input  
Voltage Range



DC Reverse  
Polarity



Protection  
Anti-islanding  
Technology



Over voltage  
Protection



Wifi/GPRS/Lan  
Communication

## VolTie Series Single Phase On-Grid Solar Inverter

### Technical Specifications

Model No:	ST-VT-ONGINV2KW/S11
<b>DC Side / Input Parameters</b>	
Max DC power (W)	2200W
Max DC voltage (Vdc)	550
Min System start/Shut down voltage (Vdc)	75/100
MPPT voltage range(Vdc)	100~500
Max. input current (A)	18A
Max.input short circuit per MPPT	25A
Number of MPP trackers	1
Strings per MPP tracke	1
<b>AC Side / Output Parameters</b>	
Nominal output power (W)	2000W
Maximum output power (W)	2200W
Nominal output voltage/range (V)	208,220,230,240/180-270
AC grid frequency/range (Hz)	50Hz,60Hz(auto-selection) / 44Hz-55Hz; 54Hz-65Hz
Maximum output current (A)	9.6A
AC connection (with PE)	Single phase
Current distortion(THDi) Power factor	<1.5%
Power factor	~1%(Adjustable from 0.8 leading to 0.8 lagging)
<b>Efficiency</b>	
Maximum conversion efficiency	97.40%
European efficiency	97.10%
MPPT efficiency	99.90%
<b>Safety and Protection</b>	
DC reverse-polarity protection	
Anti-islanding / Overvoltage protection	
Short circuit protection	Yes
Leakage current protection	
Grid monitoring / Ground fault monitoring	
DC/AC side SPD(thermally protected)	
<b>General Parameters</b>	
Inv Dimension (L/W/H)(mm)	315/300/108
Packing Dimension (L/W/H)(mm)	390/335/185
Net Weight (kg)	5
Gross Weight (kg)	5.5
Embedded DC Switch	Optional
Night power consumption (W)	< 0.2
Isolation type	Transformerless
Protection degree	IP65 according to IEC60529
Operation temperature (oC)	-25 ~ +60
Cooling concept	Smart Cooling
Operating Altitude (m)	<2000m without power derating
Acoustic noise level (dB)	< 25
Display	Graphic LCD
Communication Interface (optional)	Standard WIFI/GPRS/ RS485
Warranty	Standard 5 years



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**Safiabad Plant:** Killa No. 14/6/1/2 (0-3), 6/2/3 (5-13) Village-Safiabad, Pana Paposhian, Rai, Sonipat, Haryana-131029

