

VolTie Series

Single Phase On-Grid Solar Inverter

Capacity **2kW**



VoltTie 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 VoltTie 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



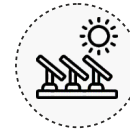
**Residential
Rooftops**



**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
DC Side / Input Parameters	
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
AC Side / Output Parameters	
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)
Efficiency	
Maximum conversion efficiency	97.40%
European efficiency	97.10%
MPPT efficiency	99.90%
Safety and Protection	
DC reverse-polarity protection	Yes
Anti-islanding / Overvoltage protection	
Short circuit protection	
Leakage current protection	
Grid monitoring / Ground fault monitoring	
DC/AC side SPD(thermally protected)	
General Parameters	
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
Operatiing 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



INDIA'S MOST TRUSTED



रहो रेशन बिना टेंशन...

Servotech Renewable Power System Ltd.

Corporate Office : 806, 8th Floor, Crown Heights, Sector-10, Rohini, New Delhi - 110085

Ph: 011-41183116, +91 9818680033

 **+91 9311313734**

Email: servotech@servotechindia.com

Website: www.servotech.in

Reg. Add. & Kundli Plant: Khata No. 1970, Khewat No. 1672, Khasra No. 21/20/2/2, Revenue Estate, Kundli, P.S.Rai, Sonipat, Haryana - 131029

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

