

VolTie Series

Single Phase On-Grid Solar Inverter

Capacity **2kW**



About Servotech Renewable

Servotech Renewable Power System Ltd. (NSE: SERVOTECH) is India's leading manufacturer of advanced clean energy solutions, specializing in solar Solutions, BESS and EV charging solutions. With a robust pan-India presence, agile manufacturing, and strong R&D capabilities, Servotech is driving India's transition toward a sustainable, energy-independent, and technologically empowered future. Through continuous innovation, strategic collaborations, and large-scale deployments, the company delivers reliable, high-performance solutions that support the nation's clean energy goals. Servotech's comprehensive portfolio spanning solar panels, inverters, Lithium batteries, and EV chargers reflects its commitment to engineering excellence and environmental stewardship. By aligning business growth with global sustainability standards, Servotech stands as a catalyst in shaping India's green energy transformation and powering a cleaner tomorrow.



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 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 TRUSTED



CONTACT US

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Warehouse: Khasra No. 8/5, 6, 14/2, 15/1, 16/2 Min & 17, Jakhauli Road, Jhundpur, Sonipat, Haryana - 131021

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

