

Solvion Series

On-Grid Solar Inverter



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.



Solvion 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 Solvion 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.



Power generation monitoring



IP65 protection



Power export limit



Big LCD display

Solvion Series

Single Phase On-Grid Solar Inverter



APPLICATION



**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**

Range Available

1kW | 2kW | 3kW | 4kW | 5kW | 6kW

Solvion Series

Single Phase On-Grid Solar Inverter

Technical Specifications

ST-ONGINV1KW / S1 / 2KW / 3KW / 14KW / 15KW / 6KW						
	1kW/ST ONGINV1KW/S11	2kW/ST ONGINV2KW/S11	3kW/ST ONGINV3KW/S11	4kW/ST ONGINV4KW/S11	5kW/ST ONGINV5KW/S11	6kW/ST ONGINV6KW/S11
DC Side / Input Parameters						
Max DC power (W)	1500W	3300W	4500W	6600W	7500W	7500W
Max DC voltage (Vdc)	550	550	550	550	550	550
Min System start/shut down voltage (Vdc)	65/70	75/100	75/100	75/100	75/100	75/100
MPPT voltage range(Vdc)	70-500	100-500	100-500	100-500	100-500	100-500
Max. input current (A)	18A			22A		
Max.input short circuit per MPPT	25A			30A		
Number of MPP trackers	1					
Strings per MPP tracke	1					
AC Side / Output Parameters						
Nominal output power (W)	1000	2200	3000	4000	5000	6000
Maximum output power (W)	1100	2420	3300	4400	5500	6600
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)	6	12	16	21	23	28
AC connection (with PE)	Single phase					
Current distortion(THDi) Power factor	<1.5%	<1.5%	<1.5%	<2.5%	<2.5%	<2.5%
Power factor	-1%(Adjustable from 0.8 leading to 0.8 lagging)					
Efficiency						
Maximum conversion efficiency	97.30%	97.40%	97.50%	97.80%	97.50%	97.60%
European efficiency	97.00%	97.10%	97.20%	97.30%	97.20%	97.30%
MPPT efficiency	99.90%	99.90%	99.90%	99.90%	99.90%	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						
Efficiency						
DC/AC side SPD(thermally protected)						
General Parameters						
Dimension (L/W/H)(mm)	300/294/104			370/318.5/105.5		
Weight (kg)	5			7		
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	Standard WIFI; RS485 (optional)					
Warranty	Standard 8 years; 10 years optional					

Solvion Series

Three Phase On-Grid Solar Inverter



Boost the efficiency and precision of your solar system with Servotech's advanced On-Grid Solar Inverters. Our Solvion Series, available from 5 to 25 kW, is designed for flawless integration with residential & commercial solar installations. These inverters optimize energy conversion and come equipped with a clear LCD screen, easy remote controls, and user-friendly graphics on both web and app interfaces. Benefit from versatile communication options, including Wi-Fi, P2P, LAN, GPRS, and RS485. Trust Servotech for superior solar power performance and innovation.



Power generation monitoring



IP65 protection



Power export limit



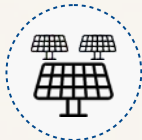
Big LCD display

Solvion Series

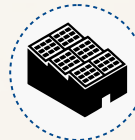
Three Phase On-Grid Solar Inverter



APPLICATION



Small Scale
Three Phase
Solar Projects



Commercial and
Industrial System



Educational and
Institutional Buildings



Agricultural
Use



Wide Input
Voltage Range



Power export
limit



Compact and
easy to install



Wifi/GPRS/Lan
communication
optional

Range Available

6kW | 8kW | 10kW | 15kW | 20kW | 25kW

Solvion Series

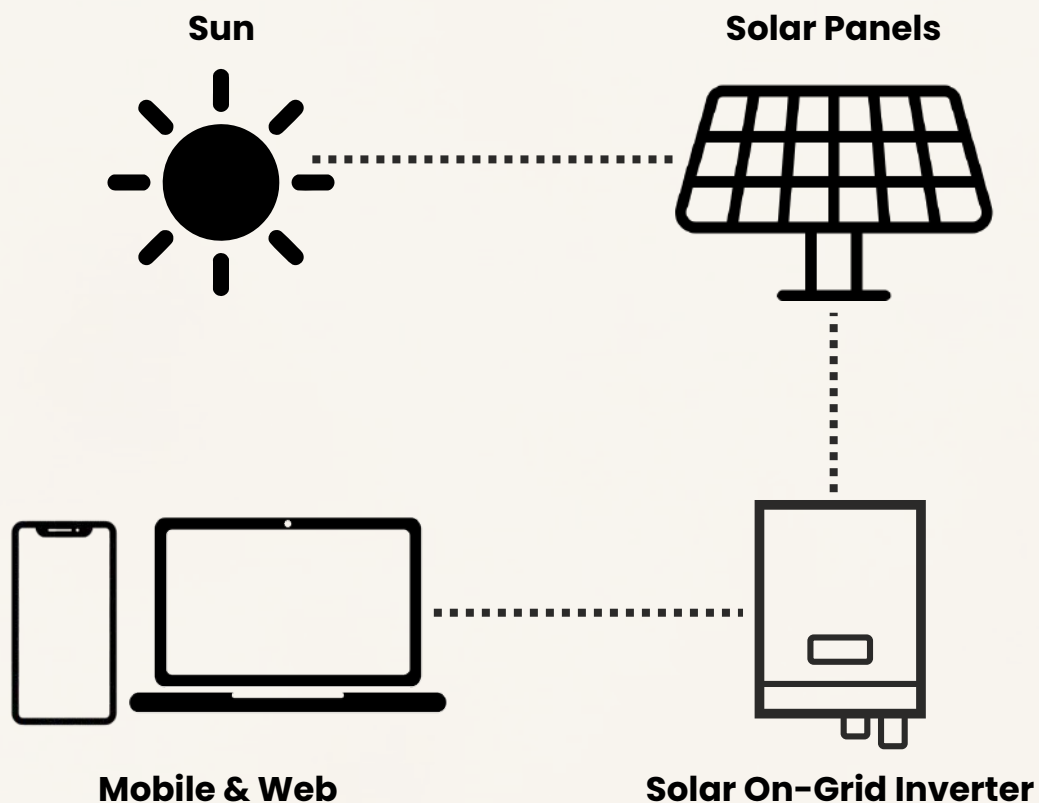
Three Phase On-Grid Solar Inverter

Technical Specifications

ST-ONGINV5kW/S3 - 6kW / 8kW / 10kW / 15kW / 20kW / 25kW							
Model	5kW 3P ST-ONGINV5kW/S3	6kW ST-ONGINV6kW/S3	8kW ST-ONGINV8kW/S3	10kW ST-ONGINV10kW/S3	15kW ST-ONGINV15kW/S3	20kW ST-ONGINV20kW/S3	25kW ST-ONGINV25kW/S3
Input (DC)							
Max DC power (W)	5500W	9500W	11500W	11500W	22500W	30000W	30000W
Max DC voltage (Vdc)	1000Vd.c.					1000Vd.c.	
Min working voltage (Vdc)	160Vd.c.					250Vd.c.	
MPPT voltage range (Vdc)	160...850Vd.c.					200...850Vd.c.	
Max input current / per string (A)	18A/18A					26A/26A	36A/26A
Max.input short circuit per MPPT	25A/25A					34A/34A	46A/34A
Number of MPP trackers	2					2	
Strings per MPP tracker	1					2	
Output (AC)							
AC nominal power (W)	5000	6000	8000	10000	15000	20000	25000
Max AC apparent power (VA)	6000	7000	8800	11000	16500	22000	27500
Max output current (A)	10	12	15	17	23	30	36
Nominal AC output	50/60 Hz; 400 Vac					50/60 Hz; 400 Vac	
AC output range	45/55 Hz ; 280 - 490 Vac (Adj)					5 Hz ; 280 - 490 Vac	
Power factor	0.8leading. 0.8laging					0.8leading. 0.8laging	
Harmonics	< 5%					< 1.5%	
Grid type	3 W/N/PE					3 W/N/PE	
Efficiency							
Max efficiency	98.00%	98.20%	98.30%	98.40%	98.40% 98.40%	98.50%	98.50%
Euro efficiency	97.50%	97.70%	97.80%	97.90%	98.00%	98.10%	98.20%
MPPT efficiency	99.90%	99.90%	99.90%	99.90%	99.90%	99.90%	99.90%
Safety and Protection							
DC reverse-polarity protection	Yes					Yes	
DC breaker							
DC/AC SPD							
Leakage current protection							
Insulation Impedance Detection							
Residual Current protection							
General Parameters							
Dimension (W/H/D)(mm)	480*476*157					520*510*160	
Weight (kg)	16					23	
Operating temperature range oC						-25~+60	
Degree of protection	IP65					IP65	
Cooling concept	Smart Cooling					Smart Cooling	
Topology	Transformerless					Transformerless	
Display	LCD					LCD	
Humidity	0-95%, no condensation					0-95%, no condensation	
Communication	RS485/WiFi/GPRS					RS485/WiFi/GPRS	
Warranty	Standard 5 years; 7/10 years optional					5 years; 8/10 years optional	

Monitor your solar system 24x7

No matter where you are!



Monitor system performance in real-time via smartphone app or web portal using our advanced monitoring platform.



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

