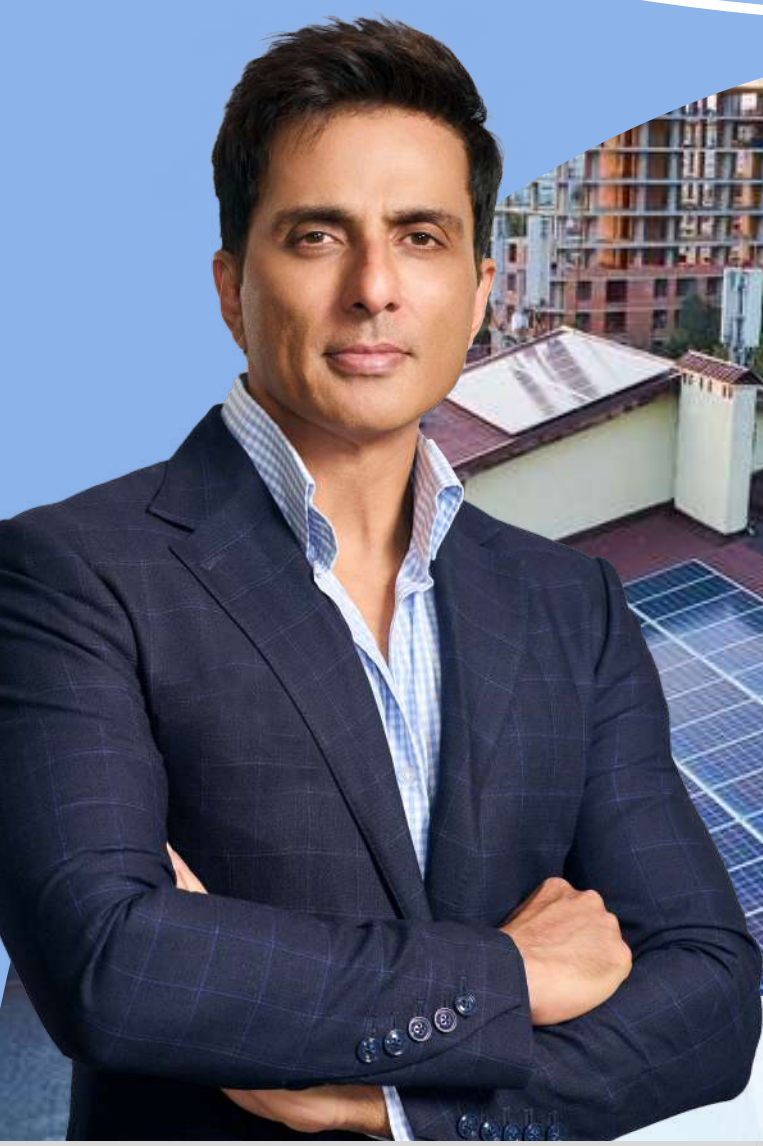


Microsync Series

Micro 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.



Dab Dual Full-Bridge Micro Inverter



DAB DUAL FULL-BRIDGE CONVERSION EFFICIENCY EXCEEDING 97%

Smart Micro Inverter MODEL: ST1kWMicro/S11

Features



The latest DAB full-bridge topology technology is adopted to achieve high power density and flexible energy management capabilities, which can effectively improve power generation efficiency (peak efficiency is as high as over 98%).



Built-in high-precision MPPT can quickly capture and locate the optimal operating point of the I-V curve, with a maximum power tracking efficiency of up to 99.9%.



All-round protection functions: overvoltage and undervoltage protection, overfrequency and underfrequency protection, overload protection, and anti-islanding function



Built-in temperature detection ensures stable operation in extreme temperature environments, and the AI intelligent temperature control management function effectively improves safety and service life.



The mobile phone remote monitoring function can realize the functions of turning on and off the inverter, adjusting the output power, data analysis, power statistics, etc.



The anti-backflow control function adopts the internal LAN high-speed anti-backflow control. In the same LAN, one anti-backflow meter can control 9 inverters

Smart Micro Inverter Technical Data

MODEL	STMSI-800	STMSI-1000
DC Input		
Max Solar Panel Input Power	2*500W	2*625W
MPPT Voltage Range (Module Open Circuit Voltage)	33~54V	
Starting Voltage	>22V d.c.	
Working Voltage Range	22~60V d.c.	
Maximum Input Current	2*18A	2*22.7A
Maximum Input Short Circuit Current	2*20A	2*25A
Maximum Feedback Current Of The Array	0A	
AC Output		
Maximum Output Power	800W	1000W
Rated output current (A)	@120V 6.6A; @230V 3.5A	@120V 8.2A; @230V 4.4A
Nominal Output Voltage Range	@120V a.c. (e.g. Japan, North America, etc.) ; @230V a.c. (e.g. Europe)	
Nominal Frequency Range	50Hz/47.5~51.5Hz; 60Hz/57.5~61.5Hz	
Power Factor	>0.99 default , 0.85 leading ... 0.85 lagging	
Total harmonic distortion (@nominal power)	≤3%	
Maximum Number Of Connections Per Branch	@120V 5 Pcs ; @230V 10 Pcs	
Efficiency		
Peak Microinverter Efficiency	98.3%	
CEC Weighted Efficiency	97.6%	
Nominal MPPT Efficiency	99.8%	
Night power consumption (mW)	0	
Mechanical Data		
Ambient Temperature Range(°C)	-40 to +60°C	
Dimensions(W×H×D)	230×200×42 mm	
Weight	3.25Kg	
Enclosure Rating	Outdoor-IP67	
Cooling	Natural Convection- No Fans	
Features		
Communication	Built-in Wi-Fi & Bluetooth	
Monitoring	Smart Life	
Compliance	VDE-AR-N 4105:2018, VDE 0124-100:2020, VFR 2019, IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1/-2, IEC/EN 61000-3-2/-3	

INDIA'S TRUSTED



CONTACT US

Ph: 011-41183116, +91 97176 91800 |  +91 93113 13734

Email: servotech@servotechindia.com | Website: www.servotech.in

Servotech Renewable Power System Ltd.

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

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

