

Micro Inverter & Battery

The micro inverter is a powerful and efficient way to power your home.

It is also incredibly reliable, with robust construction and advanced safety features.

It can be installed on the balcony of apartments, making it a convenient and space-saving solution for power needs.

It can be used in conjunction with a customized designed battery to store excess energy generated during the day.

This energy can be released to power home loads during the night, helping you to save money on your energy bills.



Product parameters

Input (DC)	ST-INV-S08
Max. PV power [Wp]	1200
Max. DC input voltage [V]	60
Nominal DC voltage [V]	40
Max. input current [A]	17
Max. short circuit current [A]	20
MPPT voltage range [V]	22-55
Start-up voltage [V]	24
Number of MPPTs	2
Output(AC)	
Max. continuous output power [VA]	800
Nominal grid voltage [V]	230
Nominal grid frequency [Hz]	50/60
Max. Continuous output current [A]	3.48
Power factor @ full load	>0.99
THD @ rated power [%]	<3
Efficiency	
MPPT efficiency [%]	95
Max. efficiency [%]	97.3
Battery charge and discharge efficiency [%]	95/93
General Data (Inverter)	
Dimensions (WxHxD) [mm]	244x315x39
Weight [kg]	4.5
Ingress protection	IP65
Operating temperature range [°C]	-40~+65
Humidity [%]	0~100(RH)
Cooling method	Natural
Communication interfaces	WiFi/ BMS

Battery	SP-HE4840
Battery type	LFP
Nominal capacity [Ah]	40
Nominal energy [kWh]	1.92
Nominal voltage [V]	48
Battery voltage range [V]	42~54
Max. charge/discharge current [A]	25/20
Max. charge/discharge power [W]	1000/800
Operating temperature [°C]	0~55
Ingress protection	IP54
Dimensions (W*H*D) [mm]	575*300*169
Weight [kg]	20
Cycle life	4000
Warranty	10 years
Standard and certification	IEC 62619, UN38.3, CE