

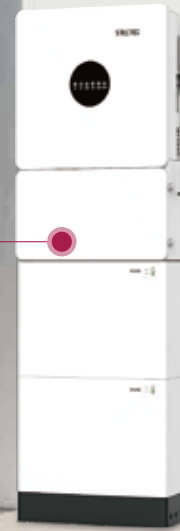
STELTEC

Make your home
Safe, stable and smart

Energy Storage Solutions All-in-one series

www.steltec-ess.com
sales@steltec-ess.com

Module Design



Slim but powerful
Expandable to 5.22-15.66kWh



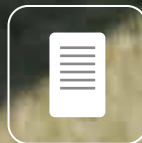
**10 Years
product warranty**
(Inverter: 5 years)



**Pre-wired design
with inverter**



Safe & Reliable
Lithium Battery (LFP)

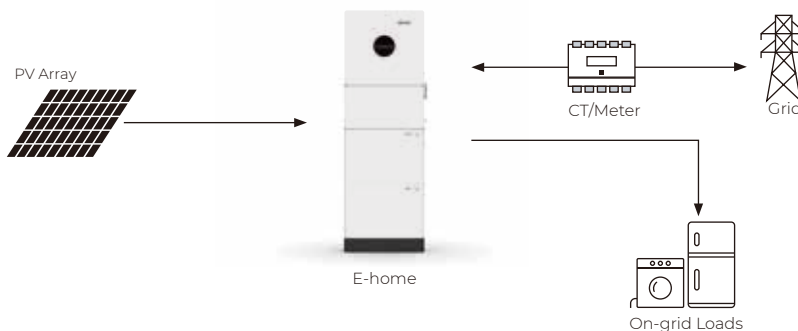
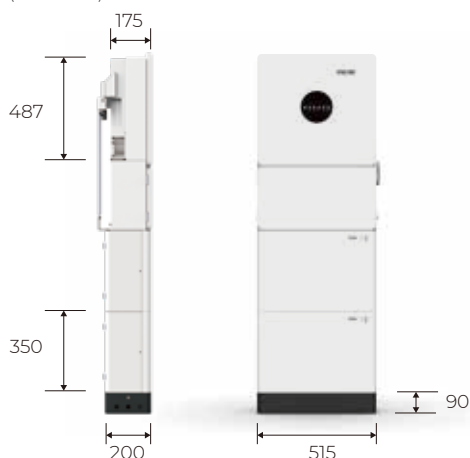


Intelligent Build in BMS
Monitored for 24*7



Easy Installation
Plug and Play

(Unit:mm)



STE/TEC

Product type E-home

Technical specification

Noise emission (dB)	≤35	Max. operating altitude	2,000m (6,562ft.)
Operating Temperature	-10°C~50°C (14°F~122°F)	Operation Life	10years(inverter 5 years)
Cooling	Natural convection	Protection Class	IP54
Humidity	5%-95%		

Inverter model	STE-INV-HB5000	STE-INV-HB6000
----------------	----------------	----------------

Efficiency		
Max. efficiency (PV to AC)		97.30%
Max. efficiency (AC to BAT)		94.00%
Input (PV)		
Max. PV power		9000W
Max. PV voltage		550V
MPPT volt range @full load	200-480V	230-480V
No. of MPPT trackers		2
String per MPPT tracker		1
Input (BAT)		
Compatible battery type		Lithium Battery
Norminal battery voltage		51.2V
Max. charge/discharge power		6000W
Output (Grid)		
Nominal AC output power	5000W	6000W
Rated AC voltage		220V
AC frequency range		45-55 / 55-65Hz(adjustable)
Output (Back up)		
Nominal output voltage		230V
Nominal output frequency		50 / 60Hz
Nominal output power	5000W	6000W
Nominal output current	21.7A	26A

General		Certification	
Protection Class	IP65	Grid	EN50549;CEI-021;G99;VDE4105 and so on
Installation	Wall mounted	Safety	IEC62109-1&2; IEC62477-1; IEC62040-1
Net Weight	25kg (55.12 lb)	EMC	IEC61000-6-1 / 2 / 3 / 4
Dimensions (W*D*H)	515*175*487(mm)/20.28*6.89*19.17(inch)		

Each single battery module specification

Battery model	STE-BSG-5220	Battery module capacity	5.22kWh
Battery cell capacity	102Ah	Module voltage	51.2V
Configuration	1P16S	Battery module weight	46 kg (101.41 lb)
Dimension (W*D*H)	515*200*350 (mm) 20.28*7.87*13.78 (inch)		