



**GREENESS**<sup>TM</sup>

# GreenVolt

**ALL IN ONE ESS**

## S.G.S.C

Our proprietary technology with smart automatic control, offering unmatched safety and advanced functionality for your energy needs.

## AESTHETICALLY PLEASING

Fashionable and elegant appearance, high discrimination, and good visual effect.



Model	BS5B	HS5B	HT15K
Technical Specifications		Standard Parameter	
<b>BATTERY</b>			
Battery Type	LFP		
Battery Model	MINT 7240 / G4		
Battery Nominal Voltage	73.6V / 48V		
System Energy Capacity	8.82 ~ 14.7kWh + 0.4 ~ 2.4kWh (Expansion up to 34.2kWh)		
Operation Voltage Range	220.8~414V		
Max. Charging Current	25A		
Max. Discharging Current	40A		
<b>PV INPUT</b>			
Max. PV Input Power	-	10kW	19.5kW
Max. PV Input Voltage	-	580V	1000V
MPPT Range	-	100~550V	180~950V
Startup Voltage	-	100V	180V
Max. Input Current	-	15A / 15A	12.5A / 23A
Max. Short Circuit Current	-	18.75A / 18.75A	13.5A / 25A
Strings Per MPPT Tracker	-	1 / 1	1 / 2
MPPT Trackers	-	2	
<b>WIND TURBINE PORT</b>			
Max. Input Power	-	5kVA	
SMART WIND	-	YES	
<b>GRID PORT</b>			
Rated Power	5kW		15kW
Rated Voltage	230Vac		400Vac
SMART GEN	YES		
FREE LUNCH (TIME OF USE)	YES		
<b>BACKUP PORT</b>			
Surge Backup Power	10kVA		15kVA
Rated Backup Power	5kVA		15kVA
Rated Backup Voltage	230Vac		400Vac
Transfer Time	<10ms		
SMART PV (Grid-Forming)	YES		
<b>EFFICIENCY</b>			
Max. Efficiency	-	97.3%	98.2%
Max. Round Trip Efficiency	90%		
<b>GENERAL DATA</b>			
Operating Temperature Range	-20°C~60°C		
Operating Altitude	≤3000m (>3000m Derating)		
Relative Humidity(No Condensing)	0~95%		0~85%
Cooling	Natural		Fan
Noise	<30dB		<60dB
Topology	Transformerless		
Protection Degree	IP65		
<b>HMI&amp;COMM</b>			
Load Monitoring	Single/Three-phases Meter (RS485/Wireless)		
External Communication	WIFI / 4G		
User Interface	Breath Light / iGE APP / iGE-Cloud		