

FEATURES

- High voltage (approx. 400V) with built-in DC/DC optimizers
- Heated battery modules made for indoor and outdoor installations
- Flexible capacity from 5kWh to 60kWh. Possibility to mix new and old modules.
- Excellent safety performance
- High energy density
- Back-up power & black-start



SPECIFICATION

Physical Characteristics	
Dimension (W/D/H, mm)	653*(597/912/1227/1542)*189
Weight (kg)	67kg/119kg/171kg/223kg
Protection Level	IP65

Electrical Characteristics				
Model	5	10	15	20
Battery Type	LFP	LFP	LFP	LFP
Rated Energy Capacity (kWh)	5	10	15	20
Usable Energy Capacity (kWh)	4.5	9	13.5	18
Rated Voltage (V)	400 V	400 V	400 V	400 V
Charge/discharge cut off voltage (V)	350- 450 V	350- 450 V	350- 450 V	350- 450 V
Max Depth of Discharge (%)	90%	90%	90%	90%
Rated charge/discharge power (kW)	2.5	5	7.5	10
DC Disconnect	Circuit breaker, 50A, 1000V rating			
Communication	CAN2.0/RS485/WiFi/LAN			
Scalability	Max. 3 in parallel, 60kWh			

Operating Conditions	
Installation	Indoor or Outdoor
Operating Temperature	-10 to 50°C
Storage Temperature	-30 to 60°C
Humidity	10% to 95%, non-condensation
Altitude	Max 2000 m
Cooling	Air cooling
Inverter Compatibility	Solinteg and others. Contact Samvolt for more information.
Warranty	10 years
Certificates	IEC62619/CE/UN 38.3

*Datasheet is preliminary. Specifications can change without prior notice.