



Indoor C&I ESS Solution

Rack-Mounted Battery (HV)

Technical Data		BOS-B
Main Parameter		
Battery Module Energy (kWh)		14.3
Battery Module Nominal Voltage (V)		51.2
Battery Module Capacity (Ah)		280
Module Weight Approximate (kg)		122
Battery Module Qty/In Series (Optional)		15
Scalability		5 ~ 15
System Nominal Voltage (V)		720
System Energy (kWh)		214.5
System Usable Energy (kWh)		193.05
Charge / Discharge Current (A)	Recommend	140
	Max	160
Other Parameter		
Operating Temperature (°C)	discharge : -20 ~ 55 charge : 0 ~ 55	
Storage Temperature (°C)	0 ~ 35	
Thermal Management	Smart fan cooling	
LCD Display	SOC / Fault Code	
Status Indicator	Yellow : Battery High Voltage Power On Red : Battery System Alarm	
Communication Port	TCP / RS485 / CAN	
Communication With BMS	CAN	
Humidity	5% ~ 85%	
Altitude	<3000m	
IP Rating of Enclosure	IP20	
Noise (dB)	TBD	
System Dimension (W x H x D, mm)	2150 x 1136 x 800	
System Weight Approximate (kg)	1850	
Installation Location	Rack Mounted	
Recommend Depth of Discharge	90%	
Cycle Life	25±2°C ,0.5C / 0.5C,EOL70% ≥ 6000	
Warranty Period	10 years	
Certification	CE / IEC 62619 / IEC 62040 / UN38.3	

BOS-B



Reliable

Operating temp : -20°C to 55°C
Operate up to 3000m altitude
1.1x overload capacity
Balancing solutions extend battery life
Triple auxiliary power design for stable supply



Easy Maintenance

5U Standard Chassis
User Interface & Bluetooth App
USB & Cloud Upgrades
TCP Protocol for EMS
Fault Signal Input Support



Scalable

Support up to 3 units off-grid backup, maximum 300kW
Support up to 20 units on-grid in parallel, maximum 2MW/4.3MWh
Support up to 10 units off-grid in parallel, maximum 1MW/2.15MWh



Intelligent Control

Thermal management keeps battery < 35° C
Peak-valleymgmt, anti-backflow, overload protection
Load tracking, demand control, backup power, phase separation



Safer

LFP batteries
Support aerosol fire extinguishing



Multi-Fusion

Integrated EMS, PCS, and BMS
Support expansion of MPPT module
Support off-grid backup

*Rack-Mounted