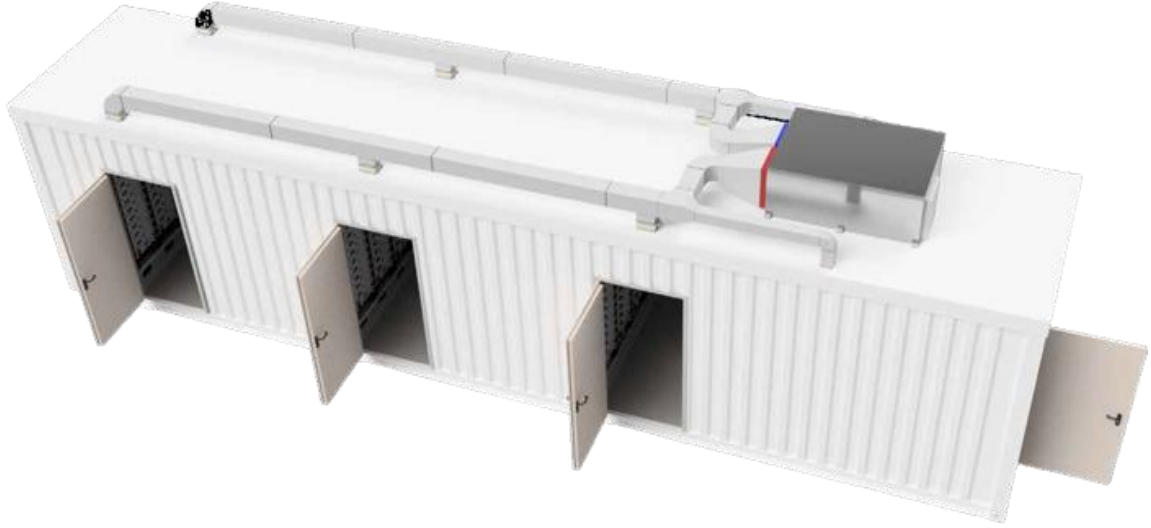




PRIME

PBSS 2.0 PBSS 3.0 Containerized Solution 1050V

Technical Datasheet



Safe & reliable

Lithium Nickel Manganese Cobalt Oxide Cell Tested and Certified Product



High Voltage Configuration

High Efficiency Rate



High Energy Density

135 kWh/m²



More Usable Energy

Up to 7 500 cycles



Perfect Compatibility

Compatible with Most PCS in the Market



Modular Concept

Connection up to 32 racks in parallel



Energy Management Available

Power Distribution Unit SCADA ready



Maintenance Free

Cost reduction



Decarbonization

Contributes to reduction of Carbon for a climate-neutral society by 2050



Eco friendly

Up to 98% Recyclable



Technical specifications

Products	PBSS 2.0	PBSS 3.0
Performance		
Number of racks (parallel connection)	7	10
Installed energy	2 MWh	3 MWh
Output power (rated at 25°C)	0.5 MW / 1 MW / 2 MW	1 MW / 2 MW / 3 MW
Nominal voltage	1050 V	
Operating voltage range	864 – 1180 V	
Nominal capacity	1960 Ah	2800 Ah
Cycles (@80% DoD 0.5C/0.5C rated at 25°C)	>5500 cycles	
Efficiency	Up to 98%	
Communication		
Display	SOC indicator, status indicator	
Communication	TCP/IP, Modbus, CAN open	
Safety	Digital outputs for charger and inverter control	
General specifications		
Container type	20 ft HQ	40 ft HQ
Operating temperature	Discharge -10°C to +50°C / Charge 0°C to +50°	
Recommended operating temperature	+15°C to +30°C	
Cooling	Active Liquid / Air (battery modules), HVAC System	
Safety	Fire Suppression System	
Protection rating (battery module)	IP 21	
Cell technology	NMC – Lithium Nickel Manganese Cobalt Oxide (LiNiMnCoO ₂)	

Applications

- ✓ Peak shaving/shifting
- ✓ Renewable integration
- ✓ Ancillary grid support
- ✓ Emergency power backup
- ✓ Energy Storage System for EV charging stations



Typical product configuration.
Appearance and interfaces may vary.

We reserve the right to make technical changes and updates without prior notice. Specific values, performance data and other information in this data sheet, brochures and other product information, as well as illustrations and drawings in these documents, are solely illustrative and are subject to ongoing revision and modification.



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