



CUS-10000 String Utility ESS

Key Features



SAFETY & RELIABILITY

- AI Health Monitoring, Proactive Early Warning
- ARC Detection & Multi-Class Overcurrent Protection
- Fire-Explosion Protection Integrated ,Rapid Extinguishing & Pressure Relief



EFFICIENCY & FLEXIBILITY

- Independent RACK Management: Lifespan & Discharge Capacity Dual Increasing
- Modular Design, Flexible Capacity Expansion
- Fault Auto-Segregation, Uninterrupted Operation



COST-EFFICIENCY & CONVENIENCE

- Mixing New and Old Batteries, Decreasing Expansion Costs
- Rapid Deployment, Plug and Play, Intelligent O&M
- Digital Platform, Remote Fault Diagnosis

PARAMETER

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Item		Parameter
Model		BSC-CUS-5160K0010M-MV
Battery Parameters	Rated Energy	5000kWh*2
	Battery Cell	314Ah LFP
	Rated Voltage	1331.2Vdc
AC Parameters	Rated Power	215kW*24
	Maximum Power	5676kW
	On-grid Voltage	10/20/35kV
	On-grid Frequency	50Hz
Transformer	Transformer Type	Dry-Type Transformer
	MV/LV	10/20/35kV/0.69kV
General Data	Cooling Method	Air-cooling + Liquid-cooling
	IP Class	IP54
	Anti-corrosion Degree	C4
	Allowable Altitude	4000m (>2000m derating)
	Allowable Ambient Temperature	-20°C~55°C (> 45°C derating)
	Allowable Relative Humidity	0%~95% (no condensation)
	Dimension (W*H*D)	PCS-MV Station: 9700*3200*3400mm Battery Compartment: 6058*2896*2438mm



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