

# CUC-10000 Centralized 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



### INTELLIGENCE & EFFICIENCY

- DC Charge-Discharge Efficiency >96%
- High-Efficiency Air-Liquid Cooling: Non-Derating Operation @45°C
- Intelligent Operation Refinement: 6.8% Increasing Lifespan



### COST-EFFICIENCY & CONVENIENCE

- Centralized Design, Low Initial Investment
- Peak-Frequency Adjustment, Multi-Benefits Methods
- Modular Installation, 100 MW-Level Flexible Grid Integration

# PARAMETER

## PARAMETERS

Item		Parameter
Model		BSC-CUC-5000K0010M-MV
Battery Parameters	Rated Energy	5000kWh*2
	Battery Cell	314Ah LFP
	Rated Voltage	1331.2Vdc
AC Parameters	Rated Power	2500kW*2
	Maximum Power	5500kW
	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: 6600*3154*3400mm Battery Compartment: 6058*2896*2438mm



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