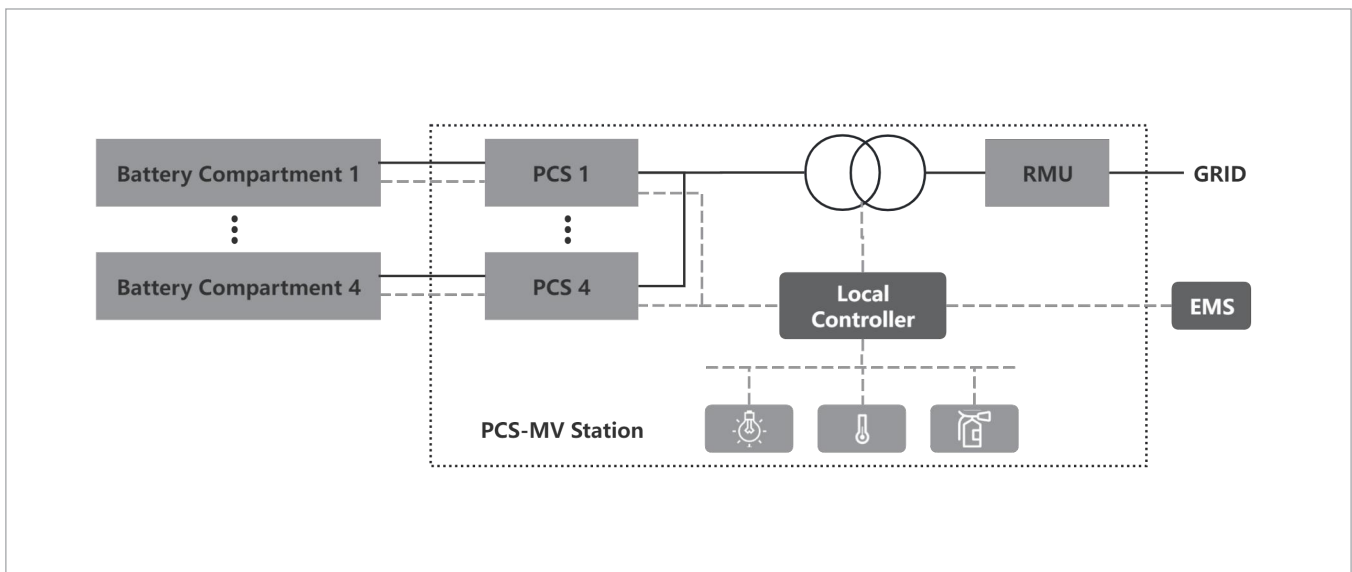


CTC-5000 PCS-MV Station

- 98% PCS Max. Efficiency
- 2/4 DC Input Strings, 2h/4h Energy Storage Systems
- Grid-Forming Functions: VSG, PQ, VF, Black Start, etc.
- IP54 Protection
- Electrical + Software + Hardware Safety Protection
- Excellent Grid Adaptability, Support ZVRT, HVRT, LVRT
- Hybrid Air/ Liquid Cooling
- Multi-Protocol Communication Ports
- Standard Container Dimensions, Easy Transportation

CIRCUIT DIAGRAM



PARAMETER

PARAMETERS

Product Model	BSC-CTC-1725K0000K	BSC-CTC-2500K0000K	BSC-CTC-3450K0000K	BSC-CTC-5000K0000K
DC Parameters				
Max. Current	1807A	2816A/1408A*2	1807A*2	2816A*2/1408A*4
Max. Voltage	1500Vdc			
Operation Voltage	1000Vdc~1500Vdc			
AC Parameters (On-Grid)				
Rated Power	1725kW	2500kW	3450kW	5000kW
Max. Output Power	1898kW	2750kW	3796kW	5500kW
On-grid Voltage	10/20/35kV			
Grid Frequency	50 (±5) Hz			
Wiring Method	3/3+PE			
Full-power Charge and Discharge Conversion Time	< 30ms			
AC Parameters (Off-Grid)				
Rated Output Power	1725kW	2500kW	3450kW	5000kW
Rated Output Voltage	10/20/35kV			
Rated Output Frequency	50Hz			
Overload Capacity	110% Long-term (35°C), 120% 1min (<35°C)			
Transformer				
Transformer Type	Oil-Immersion Transformer/ Dry-Type Transformer			
Rated Capacity	2000kVA	3150kVA	4000kVA	5500kVA
MV/LV	10/20/35kV/0.69kV			
Connection Symbol	Dy11/ Dy11y11			
System Parameters				
IP Class	IP54			
Anti-corrosion Degree	C4			
Allowable Altitude	5000m (>2000m derating)			
Allowable Ambient Temperature	-20°C~55°C (>45°C derating)			
Allowable Relative Humidity	0%~95% (no condensation)			
Cooling Method	Air-cooling + Liquid-cooling			
Communication Protocols	IEC61850/ MODBUS-RTU/ MODBUS-TCP/ EtherCAT/ CAN2.0B			
Dimension (W*H*D)	12192*2896*2438mm			
Weight	≈27.5t	≈28t	≈28.5t	≈30t



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