

1500V DC-DC Converter

SPT175K~200K-HM



Product Features

Safe

- Inter-rack SOC active equalization control
- IP66 protection, key device life-cycle prediction

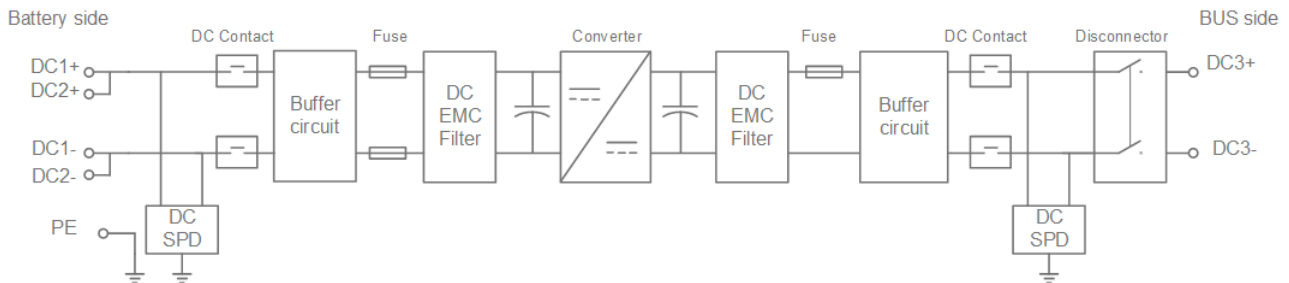
Smart

- Intelligent air cooling system, 50°C full load operation
- System insulation monitoring and common mode interference reduction
- Rack-level online insulation detection and location
- 0V starting function of battery

Simple

- Integrated MPPT function, support PV+ESS DC coupling function
- Support multi-module parallel, suitable for 1C frequency regulation application
- Modular design, support wall-mounted and rack-mounted installation

Function Diagram



Technical Specification

Items	SPT175K-HM	SPT200K-HM
DC input (BAT)		
Rated input power	175kW	200kW
DC voltage range	0-1500Vdc	
Operating voltage range at full load	1060Vdc~1500Vdc	1212Vdc~1500Vdc
Max. working current	180A	
Rated working current	140A	150A
DC buffer function	Yes	
DC input (Bus)		
DC voltage range	550-1500Vdc	
Operating voltage range at full load	1060Vdc~1500Vdc	1212Vdc~1500Vdc
Max. working current	180A	
Overload capacity	110% for long term, 120% for 1min (at 45°C)	
Efficiency		
Max. efficiency	99%	
General data		
Dimension (W×H×D)	600×266×750mm	
Weight	≤75kg	
IP grade	IP66	
Operating temperature	-35~60°C	
Cooling type	Intelligent air cooling	
Relative humidity	0~95% (No condensation)	
Communication	WIFI, Bluetooth, RS485, CAN, Ethernet	
Altitude	4000m (>3000m derating)	
Display	LED, Web, APP	
Parallel function	Up to 13 units (Support dual-port parallel expansion)	
Reverse connection protection	Yes	
Over-temperature protection	Yes	
Insulation monitoring	Yes	
Standards	IEC 62477-1, EN IEC 61000-6-2, EN IEC 61000-6-4	

- Specifications are subject to change without prior notice.

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