

Equipped with MPPT function, dual-input supports both parallel and independent operation for greater flexibility.



Single-cluster battery management, enhancing battery system availability.



Supports battery parallel connection, enabling compatibility with higher-capacity cells.



Direct DC connection, reducing conversion stages and lowering system costs.

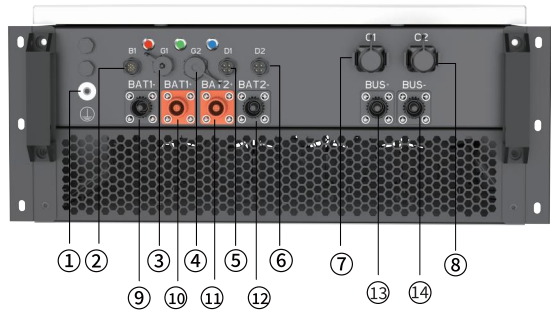


Wide voltage range, allowing seamless integration of new and old battery clusters.



IP65 protection rating, ensuring strong environmental adaptability.

Port Description



- 1.PE

2.B1

3.G1

4.G2

5.D1

6.D2

7.C1
- 8.C2

9.BAT1-

10.BAT1+

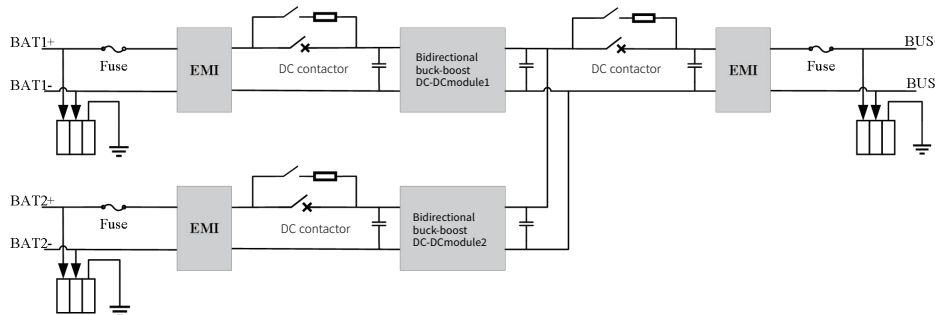
11.BAT2+

12.BAT2-

13.BUS+

14.BUS-

System Schematic Diagram



TECHNICAL SPECIFICATION	
Model	SSD-HH125K-D2CN
Product Type	DC-DC Converter
Cower Specifications	
Rated Power	125 kW
BUS	
Maximum DC Voltage	950 V
Operating Voltage Range	500 ~950 V
Maximum Operating Current	220 A
Number of Power Input	1
Efficiency	
Maximum Efficiency	99.00%
Protection	
Reverse Polarity Protection	Yes
Surge Protection	Yes
Insulation Monitoring	Yes
Overtemperature Protection	Yes
PV(BATTERY)	
Maximum DC Voltage	950 V
Operating Voltage Range	350 ~ 950 V
Maximum Operating Current	110 A / 110 A
Power Input	2
MPPT Function	Available
GENERAL PARAMETER	
Cooling	Intelligent air cooling
Relative Humidity	0~95% (Non-condensing)
Operating Altitude	4000 m (>3000 m, Derating)
Ingress Protection	IP65
Ambient Temperature	-30°C ~ +55°C (>+45°C, Derating)
Protective Class	I
Over Voltage Category	II (DC)
Inverter Topology	Non-isolated
Machine Dimensions (W*H*D)	540*240*930 mm
Machine Weight / N.W.	75 kg
DISPLAY AND COMMUNICATION	
Communication Interface	RS485 / CAN / Ethernet (Optional)

- The AC voltage and frequency range can differ according to the grid standards of each country.
- Please note that all specifications are subject to change without prior notice.