

Product Strengths

Long-Lasting Performance

- Over 10,000 charge cycles with high-capacity cells under standard conditions

High Power Output

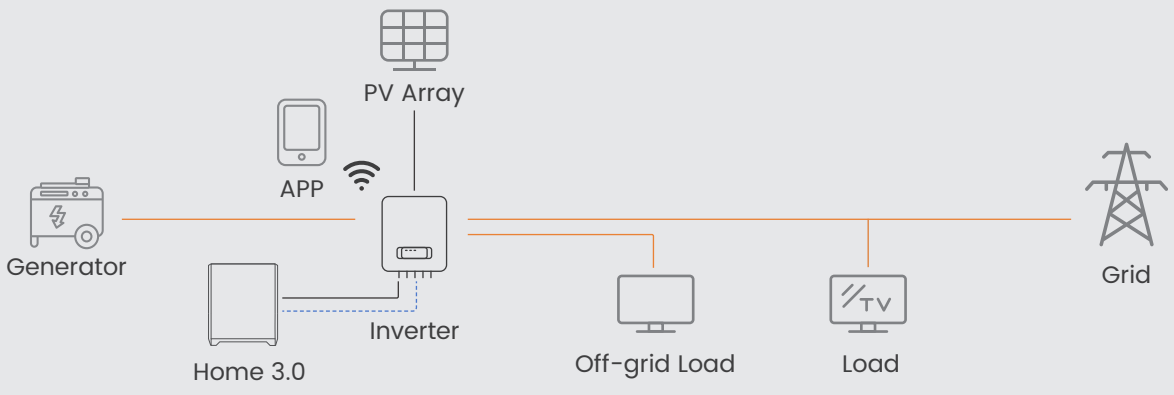
- 8kW max charging/discharging power

Safe & Reliable

- Rated IP65 protection, ideal for outdoor installation

Broad Compatibility

- Seamlessly integrates with mainstream PCS communication protocols



Model	HSD400-05C8H
Product Picture	
Electrical Parameters	
Cell Capacity	LFP-314Ah
Nominal Energy	16kWh
Nominal Voltage	51.2V
Recommended Voltage Range	43.2V~57.6V
Maximum Charge/Discharge Rate	8kW
Environmental Parameters	
Operating Temperature	-20°C~45°C
Operating Humidity	5%-95%
Altitude Rating	<3000m
Weight	≈ 125kg
Structural Parameters	
Ingress Protection Rating (IP Rating)	IP65
Cooling Method	Natural Cooling
Communication Method	CAN, RS 485
EU Compliance	IEC 62619*, IEC 63056*, EMC*
Shipping Compliance	UN 38.3
Dimensions (W*D*H)	667*223*728mm

1. Test conditions (usable energy): 95% depth of discharge (DoD), 0.5P rate charge & discharge at 25°C
2. Charge/discharge derating occurs when the operating temperature below 5°C or over 45°C
3. The weight of the battery module is based on the real object, and there may be a tolerance of 2%.
4. Output power may be affected by altitude.

* Certification in progress