

3.2 Product Specification

Table 3-1: Technical Parameters of SD250HV

Power Rating	
Nominal power	250 kW
Max. power	275 kW
PV Side Data	
Working voltage range	500 ~ 1,500 V
Voltage range at nominal power	800~1,300 V
Max. current	344 A
Battery Side Data	
Working voltage range	500 ~ 1,500 V
Voltage range at nominal power	800~1,300 V
Max. current	344 A
Efficiency	
Max. efficiency	99.0%
General Data	
Dimensions (W × H × D)	806 × 2,034 × 606 mm / 31.7"×80.1"×27.9"
Weight	500 kg / 1,102 lbs
Degree of protection	IP21 / NEMA2
Operating ambient temperature range	-30 ~ +60°C (>50°C de-rating) / -22 ~ 140 °F (>122 °F de-rating)
Relative humidity	0~95% (No-condensing)
Max. operating altitude	2,000 m / 6,562 ft
Display	Touch screen
Cooling concept	Temperature-controlled forced air cooling
Aux.power requirement	Yes
Noise emission	< 75 dB @1m
Input overcurrent protection	Yes