

DH200Y

Commercial battery cabinet

The DH200Y is an AC-coupled battery cabinet for commercial and industrial energy storage. The all-in-one solution provides storage capacity of 232 kWh with an integrated power conversion system (PCS) of 100kW. It offers direct PV connection thanks to an optional MPPT module.

- + All-in-one integrated solution
- + Integrated PCS
- + 8000 cycles*
- + Integrated PCS
- + Parallel connection up to 10 cabinets (2.3MWh)
- + Integrated fire extinguishing system
- + High energy density of 147 kWh/m²
- + Designed for energy trading



General characteristics

Dimensions (b x h x d)	1055 x 1500 x 2400 mm
Net Weight	2600kg
Battery type	LFP (LiFePO ₄)
Max. site altitude	3000m (derating above 2000m)
IP-protection class	IP65
Anti-corrosion	C5
Cooling principle	Liquid cooling
Warranty	5 years **
Display	Touchscreen
Communication-interfaces	Ethernet/4G/RS485
Cycle life	8000 cycles / 80% EOL (25°C, 95% DOD, 0,5C)
Fire extinguishing system	Level 3 detection + system level fire protection
Standards	GB/T36276, GB/T34131, IEC62619, IEC63056, IEC60730, EN62477, EN61000-6-2/4
Operating temperature range	-20°C to +50°C (derating above 45°C)
Relative humidity range	0% to 95%



Battery technical specifications

Model	DH200Y
System capacity (kWh)	232 kWh
Cell capacity (Ah)	280 Ah
Module configuration	1P5S2
Battery packs	5 per cabinet
Battery voltage (V)	754 - 936
Rated current (A)	140
Max current (A)	160

AC-output (on-grid)

Rated output power (kW)	100
Max. AC-current (A)	158
Rated output voltage (Vac)	400
Voltage range (Vac)	320-460
Wiring method	3P4L+PE
Rated frequency (Hz)	50/60
Grid frequency range (Hz)	45-55/55-65
THDI (on-grid)	<3%

*Measured at 25C, 95% DOD with 30 minutes between the cycles.

** Please refer to the warranty document for detailed scope of the 5 years warranty.