



PowerHill (233kWh) –Liquid Cooling

Integrated Outdoor Battery Energy Storage Cabinet

- Six-layer safety design
- Supports AC coupling and DC coupling
- Efficient liquid cooling, cell temperature difference < 2.5°C
- Constant power output from 0-100% SOC
- No need to replace liquid coolant for 10 years
- Local EMS & Smart O&M cloud platform



Integrated Outdoor Battery Energy Storage Cabinet

Model	PowerHill-P105-233kWh	PowerHill-P105M120-233kWh
Battery		
Cell Type	LiFePO4-280Ah	
Pack Configuration	5* (1P52S)	
Battery Capacity [kWh]	233	
Cycle Life	8000 Cycles @70% EOL	
AC Output		
Connection Type	3P4W	
Rated Charging / Discharging Power [kW]	105	
Rated Grid Voltage [V]	220 / 380; 230 / 400	
Frequency [Hz]	50	
Rated AC Output Current [A]	152	
Adjustable Power Factor Range	-1 ~ 1	
Output THDi [@Rated Output]	≤ 3%	
Backup Output (Off-Grid)		
Connection Type	3P4W	
Rated Output Power [kW]	105	
Rated Output Voltage [V]	220 / 380; 230 / 400	
Output Frequency [Hz]	50	
Max. Current [A]	167	
THDu [@Rated Output]	≤ 3%	
General Parameters		
Dimensions [W * H * D] [mm]	1390 * 2380 * 1350	1390 * 2380 * 1350
Weight [kg]	2810	2880
Degree of Protection	IP54 (IP66 for Battery Compartment)	
Cooling	Liquid Cooling	
Fire Suppression System	Smoke Sensor, Temperature Sensor, Air Inlet / Exhaust, Aerosol	
Relative Humidity	0 ~ 100% (Non - Condensing)	
Operating Temperature [°C]	-25 ~ 55 (>45 Derated)	
Altitude [m]	2000	
Noise Level [dB(A)]	≤ 70	
Communication Interface	Ethernet, Optical Fiber (Optional)	
Communication Protocol	Modbus TCP, IEC 104, MQTT	
PV Side Parameters (Optional)		
Max. MPPT Power [kW]	/	60 * 2
PV Input Voltage Range [V]	/	300 - 670
Number of MPPTs	/	1 / 1
Number of PV Inputs	/	1 / 1
Max. Input Current [A]	/	200 / 200
Certifications & Standards		
System	UN38.3, IEC 62619, IEC 63056, EN 61000, IEC 60730, IEC / EN 62109, IEC / EN 62477-1, CEI 0-21, CEI 0-16	
Converter	G99, G100, VDE 4105, VDE 4110, EN50549, NC RFG TypeA TypeB	