

POWERHILL (233kWh)

Available
in Q4



Integrated Outdoor Battery Energy Storage Cabinet

Model	PowerHill-P100-233kWh	PowerHill-P100M120-233kWh
	Battery	
Cell Type	LiFePO4-280Ah	
Pack Configuration	(1P52S) 5S	
Battery Capacity [kWh]	233	
	AC Output	
Connection Type	3P4W	
Rated Charging / Discharging Power [kW]	100	
Rated Grid Voltage [V]	220 / 380; 230 / 400	
Frequency [Hz]	50 / 60	
Max. AC Output Current [A]	167	
Adjustable Power Factor Range	-1 ~ 1	
Output THDi [@Rated Output]	≤ 3%	
	Backup Output (Off Grid)	
Connection Type	3P4W	
Rated Output Power [kW]	100	
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, Top-mounted deflagration panel (Optional)	
Relative Humidity	0 ~ 95% (Non - Condensing)	
Operating Temperature [°C]	-25 ~ 55 (>45 derated)	
Altitude [m]	2000	
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	
Converter	G99, VDE 4105, VDE 4110, EN50549, NC RFG TypeA TypeB	

Integrated Outdoor Battery Energy Storage Cabinet

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