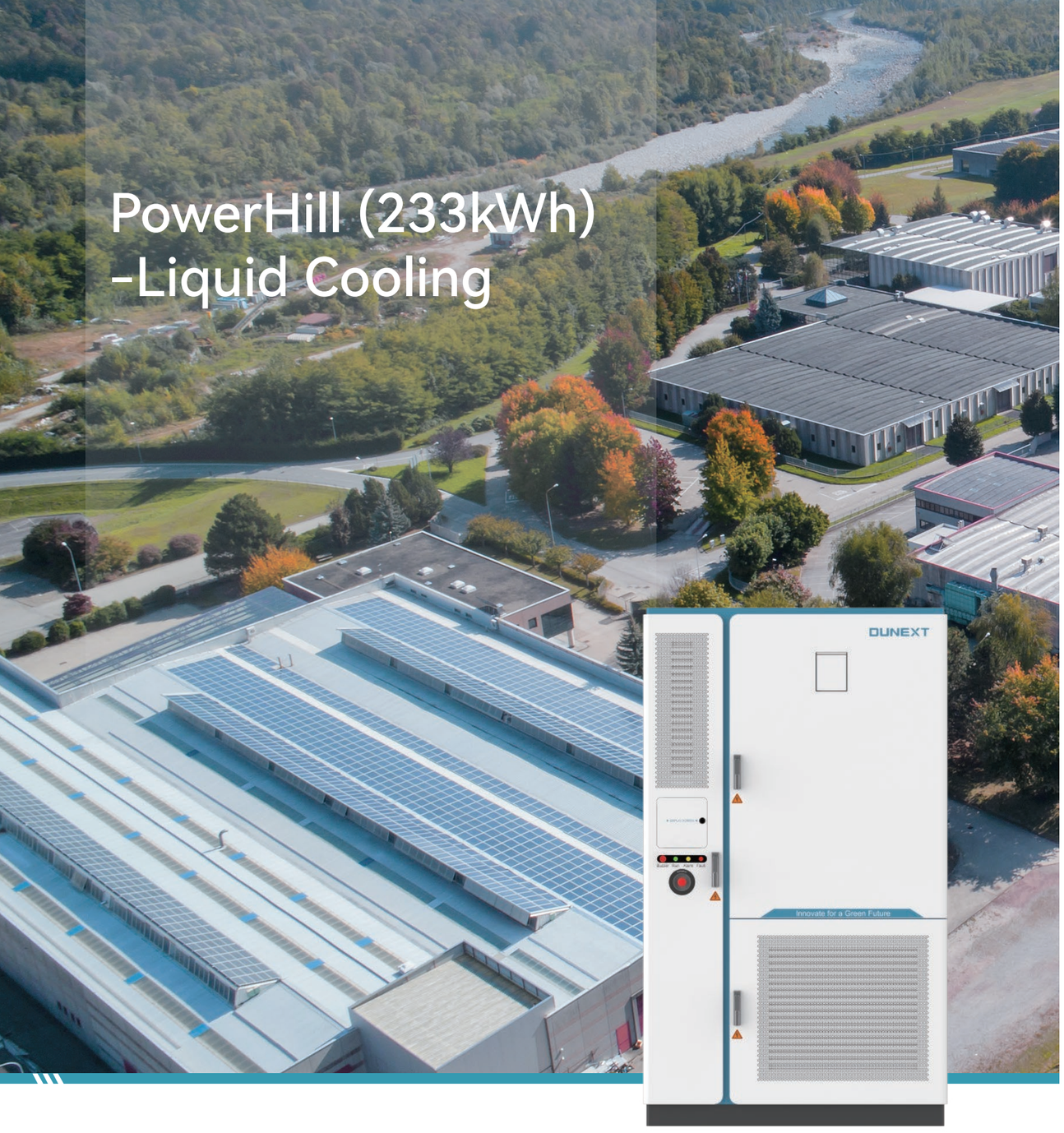

Integrated Outdoor Battery Energy Storage Cabinet

- Six-layer safety design
- Supports parallel operation of up to 10 units
- Efficient liquid cooling, cell temperature difference < 2.5℃
- 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
	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
Weight [kg]	2810
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 [℃]	-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
	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