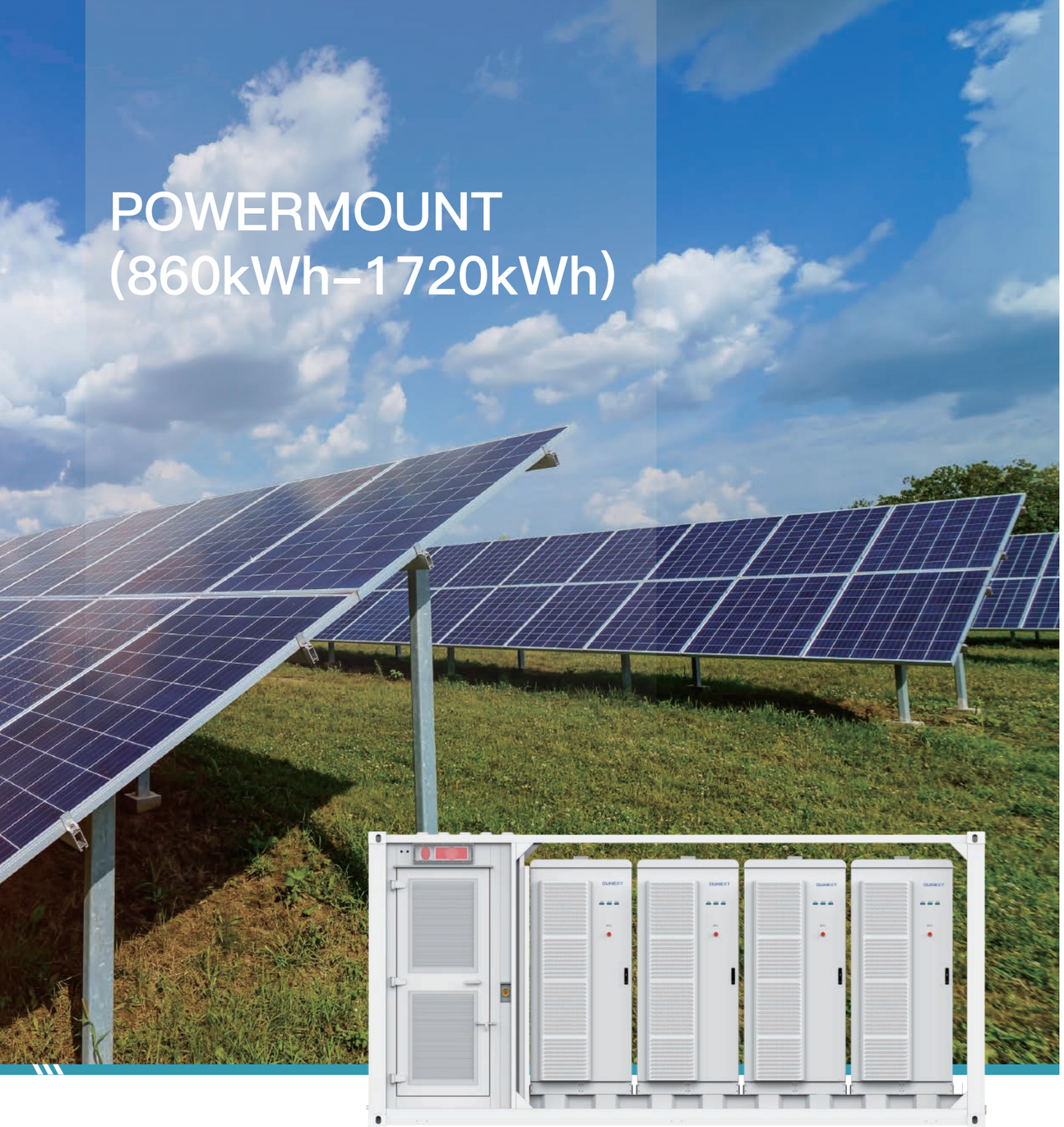
POWERMOUNT (860kWh–1720kWh)



Containerized Battery Energy Storage System

- Plug–and–play, all–in–one design
- Standard 20HQ container
- Support solar, generator, wind turbine accessing
- Multi grid auxiliary service application
- 5 layers safety design
- Higher availability with modular design & O&M cloud platform

Containerized Battery Energy Storage System

Model	PowerMount P400–860kWh	PowerMount P500–1075kWh	PowerMount P600–1290kWh	PowerMount P700–1505kWh	PowerMount P800–1720kWh
Battery					
Cell Type	LiFePO4 – 280Ah				
Pack Configuration	1P20S				
System Configuration	4 * 1P240S	5 * 1P240S	6 * 1P240S	7 * 1P240S	8 * 1P240S
Battery Capacity [kWh]	860	1075	1290	1505	1720
AC Output					
Connection Type	3P4W+PE				
Charging / Discharging Power [kW]	400	500	600	700	800
Grid Voltage [V]	400				
Frequency [Hz]	50 / 60				
Rated AC Output Current [A]	577	722	866	1010	1155
Harmonics	< 3% (@Rated power)				
Overload Capacity	110%@10min; 120%@60s				
General Parameters					
Isolation Transformer	No				
Degree of Protection	Outdoor Installation (Battery Cabinet: IP55, Electrical Cabinet: IP54)				
Container Anti–Corrosion Grade	C3				
Operation Temperature[1] [℃]	–20 ~ 50				
Relative Humidity	0 ~ 95% (Non–condensing)				
Permissible Altitude[2] [m]	⩽ 2000				
Cooling Method	Battery Cabinet: HVAC, Electrical Room: Forced Air Cooling				
Fire Fighting System	FAS & FM200 / Novec1230				
Noise Emission [dB]	⩽ 75				
Dimension [W*D*H] [mm]	20HQ Container (6058 * 2438 * 2896)				
Weight [kg]	24500				
Communication Interface	Ethernet				
Communication Protocol	Modbus TCP / IP				
Certifications & Standards					
Certifications	System: UN3536, LVD, EMC, RoHS Cell: IEC62619, UL1973, UL9540A PACK: UN38.3 PCS: G99, EN50549, AS4777.2, VDE4105				

[1] The system will be derated when the ambient temperature exceeds 45℃.
[2] The system will be derated when the altitude is above 2000m.