



**HIGHLIGHTS:**

PLUG-AND-PLAY DEPLOYMENT  
MODULAR & SCALABLE ARCHITECTURE  
GRID-FORMING DC BUS  
NOVEC1230 FIRE SUPPRESSION  
HVAC + FORCED AIR COOLING ZONES



LUMION 2000

**LUMION 2000 | 20 FT CONTAINER**



6058 × 2438 × 2896mm



27 000kg

**ALL IN ONE BESS**

KEY ITEM	SPECIFICATION
Configuration	8P280S
Rated Energy	2007kWh
Rated Output Voltage	AC400V, 3P4W+PE
Cell type & capacity	LiFePO <sub>4</sub> – 280Ah
Dimension (WxDxH)	20HQ container (6058 × 2438 × 2896mm)
Maximum Mass	27 000kg
Rated Power	1000kW
Operating Ambient Temp.	–30°C to 50°C
IP Level	IP54 (Battery compartment) IP54 (Electrical compartment)
Max Output Current	1443A
Harmonics	<3% (@rated power)
Overload Capacity	110%, continous
Corrosion Resistance	C3
Environment Humidity	0%~95%
Rated Grid Frequency	50/60Hz ±5Hz
Noise Emission	≤75dB
Derating temp. note	Derating >45°C
Fire suppression	Novec1230
Communication	Ethernet, Modbus TCP/IP
Cooling and heating type	HVAC (Battery compartment) & Forced air cooling (Electrical compartment)
Safety Features	Gas, fire and smoke detectors. Water immersion system for battery compartment. Fire-extinguishing foam for electrical compartment.
Standards and Certifications	System: UN3536, IEC61000, IEC62477, IEC62619, IEC62933, RoHS Cell: IEC62619, UL1973, UL9540A, UL1642 PACK: UN38.3 PCS: G99, EN50549, AS4777.2, VDE4105, VDE4110, R25&TOR, NC-RfG, NRS, etc