

CENTRIC-L 20-3344 AIO*

All-in-one Liquid Cooling Container ESS

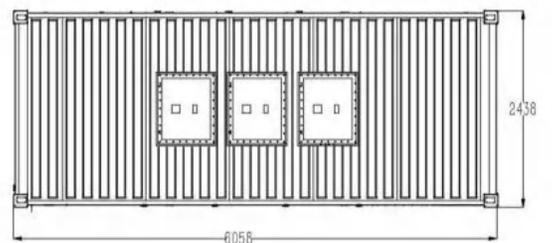
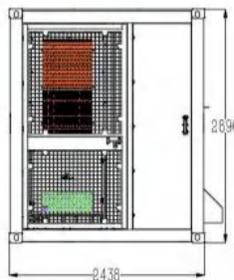
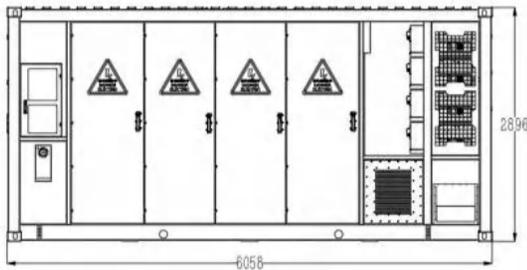
- ◆ Tier-1 LFP Cells
Sourcing from renowned cell suppliers to ensure superior cell consistency
- 🔌 Intelligent Liquid Cooling
Cell temperature difference ≤ 3 °C across the container
- 📊 Active Balancing BMS
Maximizes usable capacity and extends battery life&performance
- 🛡️ 800 V AC Output
Connects directly to PV inverters, reducing conversion losses
- ❄️ **-30°C to 55°C Operation Temperature**
Can be installed in harsh conditions (extreme heat/cold)



*AIO: All-in-one design integrates Battery & PCS

800V AC All-in-One
Liquid-Cooled Containerized BESS

Model	800 kW / 1672 kWh	1000 kW / 2090 kWh	1200 kW / 2508 kWh	1400 kW / 2926 kWh	1600 kW / 3344 kWh
DC Parameters					
Battery Cell	LFP 3.2 V / 314 Ah				
Nominal Capacity	1672 kWh	2090 kWh	2508 kWh	2926 kWh	3344 kWh
Voltage Range	1164.8 ~ 1496.7 V				
AC Parameters					
Nominal AC Power	800 kW	1000 kW	1200 kW	1400 kW	1600 kW
AC Current Distortion Rate	< 3%				
Nominal AC Voltage	800 V				
AC Voltage Range	704 ~ 880 V				
Power Factor	-1.0 ~ 1.0				
Nominal Frequency	50 / 60 Hz				
Standard	VDE 4110&4120, NTS2.1, UNE 217001, UNE217002, IEEE1547, EN 50549-2				
General Parameters					
Dimension (W × D × H)	6058 × 2438 × 2896 mm				
Weight (ARO)	26.5 t	29 t	31.5 t	34 t	36.5 t
Protection Level	IP 55				
Anti-corrosion Level	C4 / C5 (optional)				
Operation Temperature	-30 ~ 55 °C (derating from 45 °C)				
Storage Temperature	-30 ~ 60 °C				
Attitude	< 2000 m without derating				
Cooling Method	Liquid Cooling				
Communication	MODBUS				
Standard	CE-EMC, CE-LVD, IEC 62619, UN38.3				



Unit: mm

POWERROAD Renewable Energy Co., Ltd.

18th Floor, F5 Building, Xiamen Software Park III, Jimei District, Xiamen, Fujian, China 361023

+86 592 5558101

sales@poweroad.com

www.poweroad.com