

INTRODUCTION

About POWEROAD

Poweroad Renewable Energy Co., Ltd. (POWEROAD) is a leading enterprise specializing in energy storage systems. As an experienced ESS integrator, we offer innovative energy storage solutions—from in-house BMS and PCS to comprehensive after-sales services.

Focusing on the Commercial & Industrial (C&I) sectors, POWEROAD has installed over 500 C&I ESS projects worldwide, gaining extensive experience in designing and manufacturing BESS for a wide range of applications.

Over 8 years of global operations in C&I markets with ZERO accidents, POWEROAD ensures safe, reliable performance for its users. With deep technical know-how and verified product quality, POWEROAD's energy storage solutions are now delivered in over 70 countries and regions, more than 1 GWh deliveries.



6 GWh+
Annual Capacity



500+
Employees



POWEROAD GmbH
Germany Subsidiary



24 Years
Experience in
Battery Industry



500+
Installed C&I
ESS Projects



150+ R&D Staff
in 5 Centers Nationwide



In-house BMS
Own-developed BMS for C&I ESS



8 years
Experience in C&I ESS Deployment



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SCENARIOS



Peak Shaving



PV-ESS-EV Charging



Back-up Power



Off-grid / Microgrid



C&I All-in-one Liquid Cooling Battery Energy Storage System

North American version



CALIFORNIA
ENERGY COMMISSION



POWEROAD Renewable Energy Co., Ltd.



UL 9540A, UL 9540, UL 1973, UL 1741 Certified



CEC Listed

All-in-one Liquid Cooling BESS

Liquid Cooling

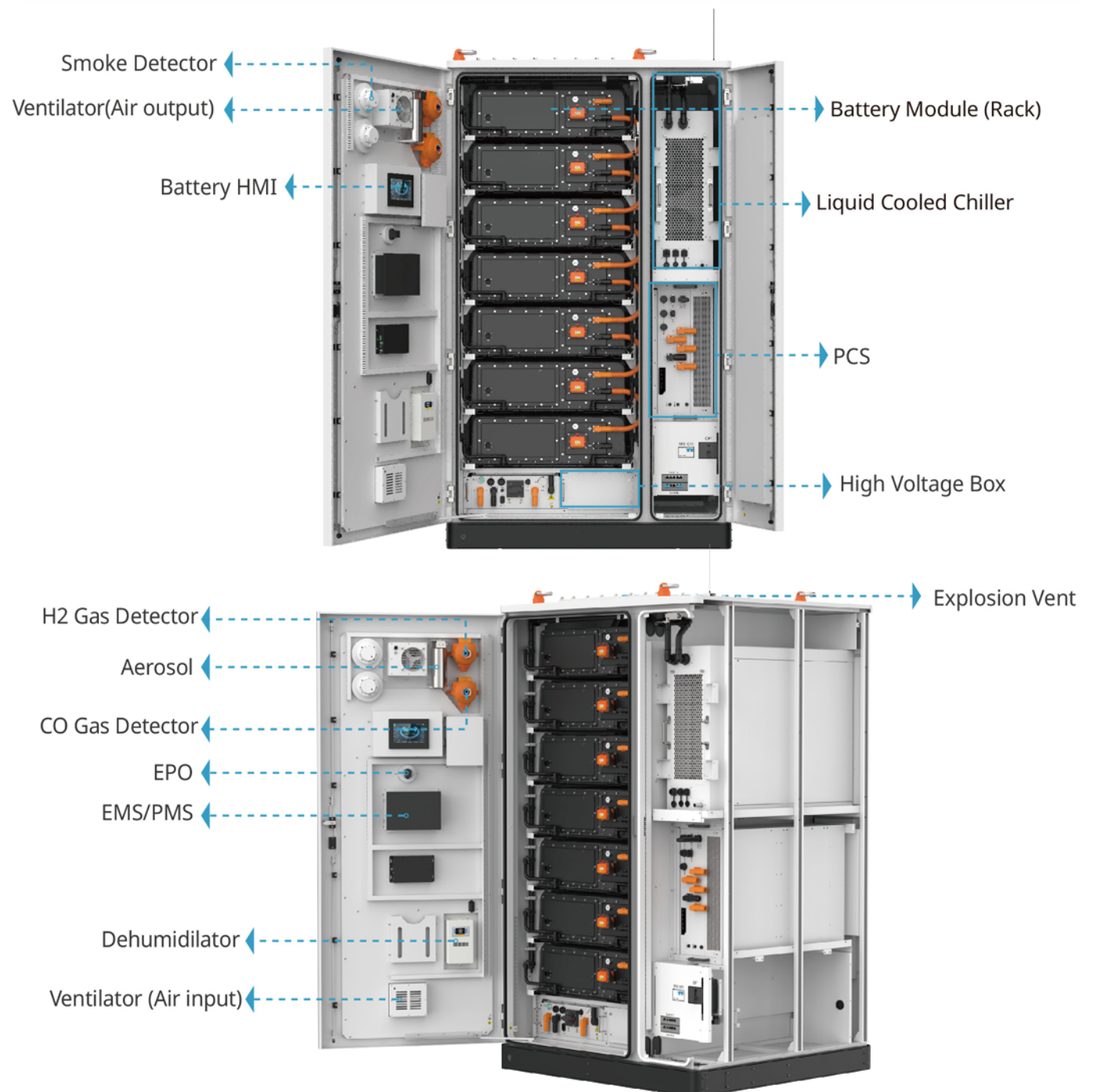
Highly Integrated

Flexible Configuration
2hr & 3hr & 4hr Options

Multiple Units Parallel
(Up to 5.5MWh)

Efficient Heat Dissipation

Support Grid Tied
and Off Grid Applications



PARAMETERS

Category	Performance index	75 kW			125 kW			175 kW
DC Parameters	Product model	75kW / 261kWh <i>(3h Solution)</i>	75kW / 313kWh <i>(4h Solution)</i>	75kW / 365kWh <i>(4.5h Solution)</i>	125kW / 261kWh <i>(2h Solution)</i>	125kW / 313kWh <i>(2.5h Solution)</i>	125kW / 365kWh <i>(2.5h Solution)</i>	175kW / 365kWh <i>(2h Solution)</i>
	Nominal energy (kWh)	261	313	365	261	313	365	365
	Rated voltage (V)	832	998	1164	832	998	1164	1164
	Maximum charging voltage (V)	936	1123	1300	936	1123	1300	1310
	Minimum discharge voltage (V)	728	873	1019	728	873	1019	1019
AC Parameters	Output rating (kW)	75			125			175
	Rated voltage (V)	480						600
	Grid type	3P+PE						
	Power grid voltage range	-15 ~ 10%						
	Power grid frequency	60 Hz						
	Power factor	-0.99 ~ +0.99						
	Working temperature	-30 ~ 50 °C						
	Storage temperature	-30 ~ 60 °C						
	Communication	Ethernet						
	Relative humidity	5 ~ 95% No Condensation						
Other Parameters	Altitude	<2000m						
	Cooling method	Liquid Cooling						
	IP rating	IP 55						
	Anti-corrosion grade	C4						
	Weight (t)	2.2	2.6	3.0	2.2	2.6	3.0	3.0
	Dimensions (W×D×H) (mm)	1350 × 1300 × 2300						