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Powering Your Energy Revolution



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Commercial & Industrial ESS Solutions

Air Cooling / Liquid Cooling



Poweroad Renewable Energy Co., Ltd.

INTRODUCTION

About POWEROAD

Founded in 2001, Poweroad Renewable Energy Co., Ltd. ("POWEROAD") is a high-tech enterprise focusing on the researching & development of lithium batteries and energy storage systems.

Catering to Commercial & Industrial ESS markets, POWEROAD has delivered more than 100 C&I energy storage projects and services globally by applying a complete pre-sales, sales and after-sales service system, with a commitment to make green energy accessible, supplying and connecting people and places all over the globe.

Utilizing advancements in BMS, EMS, and PCS technology, we've delivered our solutions in over 70 countries, amassing 800 MWh deliveries.

Backed by a comprehensive service model, POWEROAD's innovative products energize projects worldwide, including Asia, Oceania, Europe, Africa and South America. We offer a scalable energy storage footprint that can help even the most remote communities, striving to make more contributions towards a greener earth.





400+ **Employees**



23.500m² Manufacturing Base









Partners



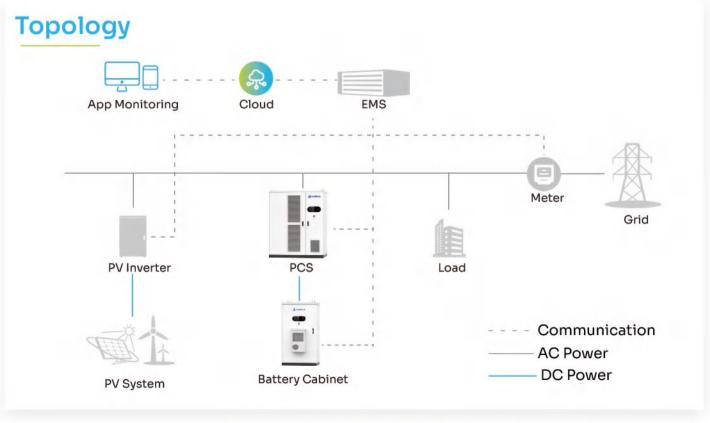






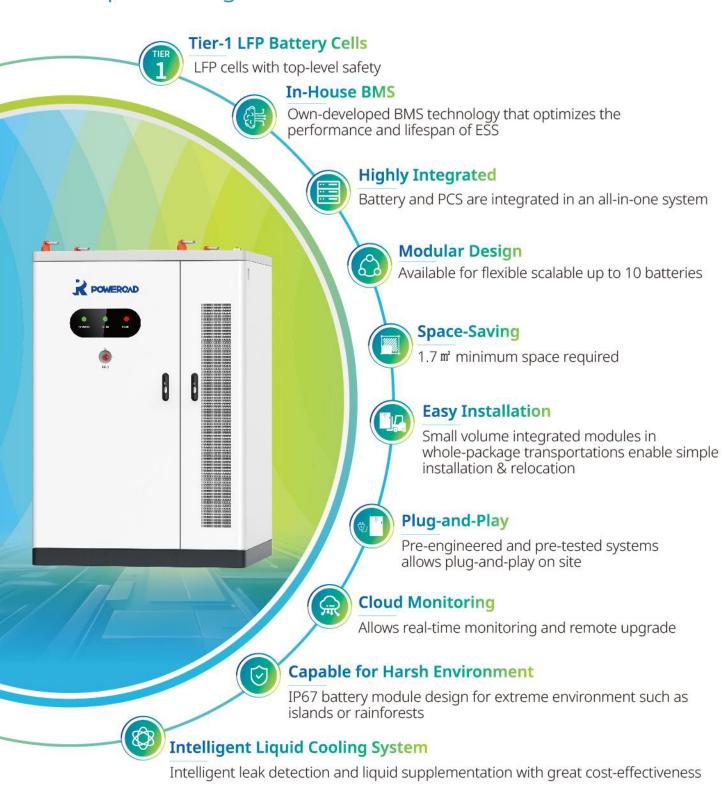
SCENARIOS





FLEX 233 All-in-one

Liquid Cooling Outdoor Cabinet ESS



LCOE



FLEX 233 LAYOUT





FLEX 233 CONFIGURATION

FLEX 233 PARAMETERS



		1110	- 11/500	tion with the		SS Cor	9					
BATTERY	Number of Battery Cabinet	Battery Capacity (energy)										
	10	2.33 MWh										
	9	2.10 MWh										
	8	1.86 MWh										
	7	1.63 MWh										
	6	1.40 MWh										
	5	1.17 MWh										
	4	932 kWh				1						
	3	699 kWh										
	2	466 kWh										
	1	233 kWh										
PCS	PCS (Modular)	PCS Power	100 kW	200 kW	300 kW	400 kW	500 kW	600 kW	700 kW	800 kW	900 kW	1000 kW
		Number of PCS module	1	2	3	4	5	6	7	8	9	10

	Items	FLEX-233				
	Rated Power	100 kW				
	Maximum Power	110 kW				
	Grid Type	3W + N+PE				
AC	Rated Grid Voltage	380 V / 400 V				
Parameters	THDi	≤ 3%				
	Grid Frequency	50 / 60 Hz				
	EMC & Safety Standards	IEC61000, IEC 62477				
	Grid Connection Standards	EN 50549-1, G99, AS/NZS 4777, VDE 4105 CEI-016, CEI-021, NRS097, C10/11				
	Rated Voltage	832 V				
	Voltage Range	728 V ~ 936 V				
DC Parameters	Rated Capacity	280 Ah				
	Rated Energy	233 kWh				
	Charge/Discharge Rate	0.5P / 1P				
	Degree of Protection	IP 55				
	Operation Temperature	-30 ~ 55 °C				
	Storage Temperature	-30 ~ 60 °C				
	Altitude	≤ 3000 m				
Other	Relative Humidity	5%~95% (No condensing)				
Parameters	Cooling Method	Liquid cooling				
	Fire Suppression System	Aerosol				
	Communication	MODBUS TCP / IP				
	Dimensions (W \times D \times H)	1350 x 1300 x 2050 mm				
	Weight	2.6 t				





