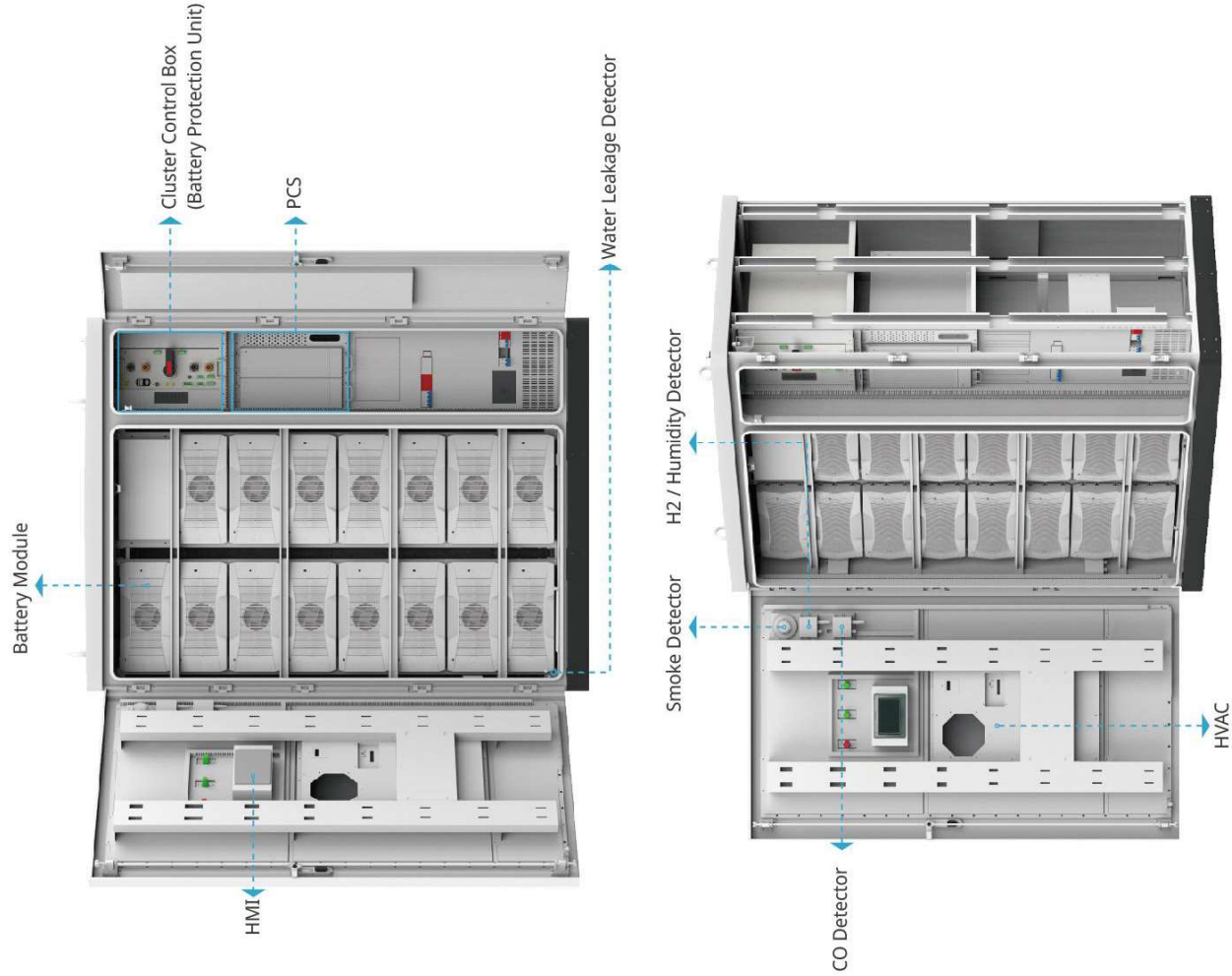


FLEX 215 All-in-one

Air Cooling Outdoor Cabinet ESS

FLEX 215 All-in-one LAYOUT



TIER 1

Tier-1 LFP Battery Cells



CATL LFP cells with top-level safety



In-House BMS
Own-developed BMS technology that optimizes the performance and lifespan of ESS



Highly Integrated
Battery and PCS are integrated in an all-in-one system



Modular Design
Available for flexible scalable up to 10 batteries



Space-Saving
1.4m² minimum space required



Easy Installation
Small volume integrated modules in whole-package transportation enable simple installation & relocation



Plug-and-Play
Pre-engineered and pre-tested systems allows plug-and-play on site



Cloud Monitoring
Allows real-time monitoring and remote upgrade



Capable for Harsh Environment
IP55 and C4 anti-corrosion cabinet design for extreme environment such as islands or rainforests

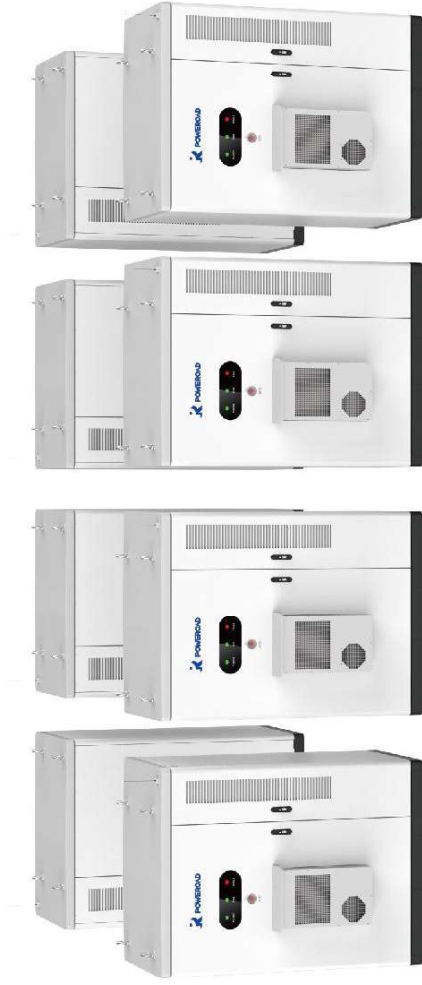


LCOE ↗

ROI ↖

FLEX 215 All-in-one CONFIGURATION

FLEX 215 All-in-one PARAMETERS



Items	Parameters	
AC Parameters	Rated Power	100 kW
	Maximum Power	110 kW
	Grid Type	3W+N+PE
	Rated Grid Voltage	400 V
	THDI	≤ 5%
	Grid Frequency	50 / 60 Hz
	EMC & Safety Standards	IEC/EN 62477, EN/IEC 61000
Grid Connection Standards	EN 50549-1, G99, AS/NZS 4777, VDE 4105 CEI-016, CEI-021, NRS097, C10/11	
DC Parameters	Rated Voltage	768 V
	Voltage Range	648 V ~ 864 V
	Rated Capacity	280 Ah
	Rated Energy	215 kWh
	Charge/Discharge Rate	0.5 P
Other Parameters	Degree of Protection	IP 55
	Operation Temperature	-20 ~ 45 °C
	Storage Temperature	-30 ~ 55 °C
	Altitude	≤ 2000 m
	Relative Humidity	≤ 95% (No condensing)
	Cooling Method	Air cooling
	Fire Suppression System	Aerosol
	Communication	CAN / Ethernet
	Dimensions (W x D x H)	1600 x 1000 x 2150 mm
	Weight	2.2 t

FLEX 215 (All-in-one) ESS Configuration Suggestion

	Battery Capacity (energy)	1000 kW	900 kW	800 kW	700 kW	600 kW	500 kW	400 kW	300 kW	200 kW	100 kW
BATTERY	10										
	9										
	8										
	7										
	6										
	5										
	4										
	3										
	2										
	1										
PCS (Modular)	PCS Power	1000 kW	900 kW	800 kW	700 kW	600 kW	500 kW	400 kW	300 kW	200 kW	100 kW
PCS	Number of PCS module	10	9	8	7	6	5	4	3	2	1