

FLEX 233 All-in-one

Liquid Cooling Outdoor Cabinet ESS

1

Tier-1 LFP Battery Cells

CATL LFP cellen met top-level veiligheden



In-House BMS

BMS zelf gemaakt door leverancier die de levensduur en de prestatie optimaliseert



Highly Integrated

Batterij en PSC gecombineerd in 1 systeem



Modular Design

Beschikbaar voor flexibele opstellingen



Space-Saving

1,7 m² minimum plaats nodig



Easy Installation

Gemakkelijke installatie en relocatie



Plug-and-Play

Vooraf geteste systemen zorgen voor plug en play on-site



Cloud Monitoring

Real time monitoring en automatische upgrades



Capable for Harsh Environment

IP55 en C4 anti-corrosie cabine design voor extreme omgevingen



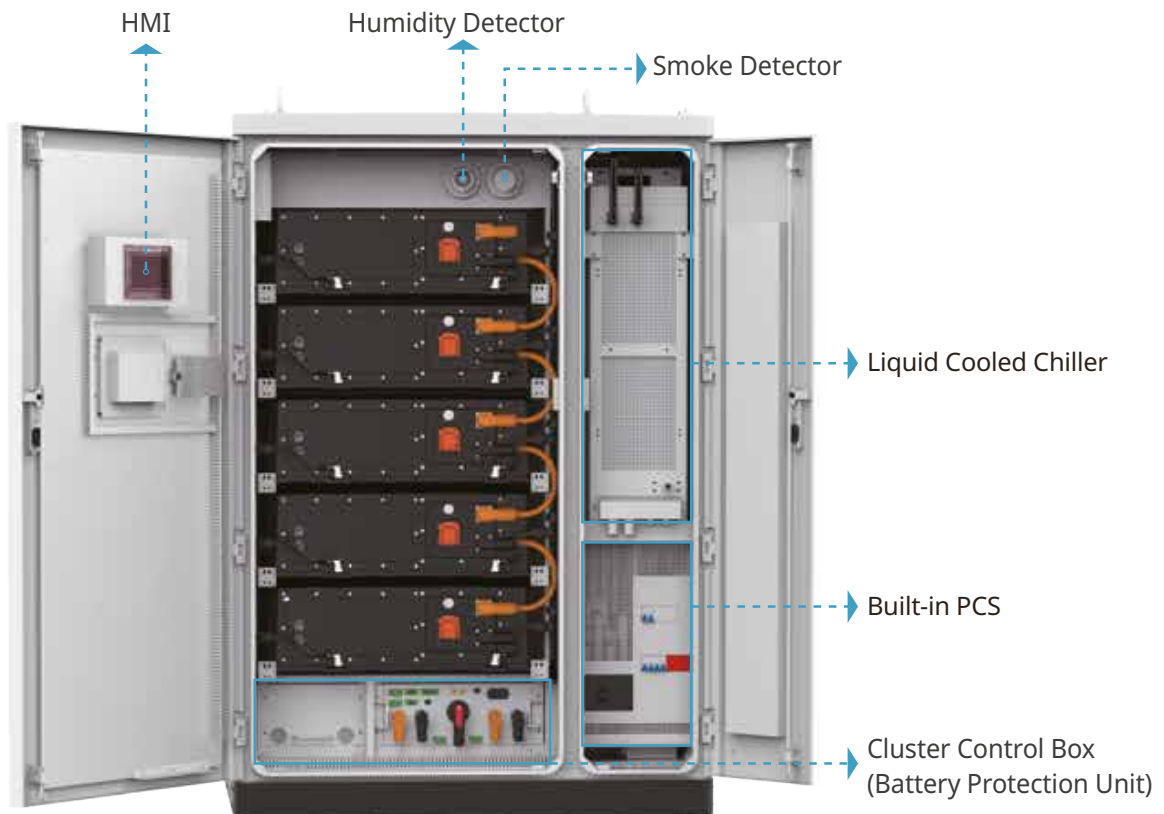
Intelligent Liquid Cooling System

Intelligente lek detectie en vloeibare aanvulling met grote kosteneffectiviteit

LCOE ↓

ROI ↑

FLEX 233 LAYOUT



FLEX 233 CONFIGURATION



FLEX 233 (All-in-one) ESS Configuration Suggestion

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										
	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

FLEX 233 PARAMETERS

	Items	FLEX-233
AC Parameters	Rated Power	100 kW
	Maximum Power	110 kW
	Grid Type	3W + N+PE
	Rated Grid Voltage	380 V / 400 V
	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
DC Parameters	Rated Voltage	832 V
	Voltage Range	728 V ~ 936 V
	Rated Capacity	280 Ah
	Rated Energy	233 kWh
	Charge/Discharge Rate	0.5P / 1P
Other Parameters	Degree of Protection	IP 55
	Operation Temperature	-30 ~ 55 °C
	Storage Temperature	-30 ~ 60 °C
	Altitude	≤ 3000 m
	Relative Humidity	5%~95% (No condensing)
	Cooling Method	Liquid cooling
	Fire Suppression System	Aerosol
	Communication	MODBUS TCP / IP
	Dimensions (W × D × H)	1350 x 1300 x 2050 mm
	Weight	2.6 t