418 kWh

CORE



Liquid-Cooled Energy Storage System

Higher capacity on the same engineering platform. Designed for larger commercial and industrial loads - data centres running at scale, manufacturing plants with continuous shift operations, hospital campuses where stored energy is also emergency infrastructure. At this capacity, the financial case is direct: the stored energy pays for the system within a predictable number of billing cycles. The decision is not whether to invest. It is when.

		418 - 40	418 - 69	418 - 80
DC Side	Cell Type	LFP / 314 Ah		
	Pack Configuration	52.248 kWh / 1P52S		
	System Configuration	418 kWh / 1P416S		
	Rated DC Voltage	1331.2 V		
	DC Voltage Range	1164.8 ~ 1497.6 V		
	Max. Charge/Discharge Rate	0.25 P	0.5 P	0.5 P
	Max. Depth of Discharge	100% (25 ± 2°C)		
AC Side	Rated Output Power	100 kW	215 kW	210 kW
	Rated AC Voltage	400 V	690 V	800 V
	AC Voltage Range	-15% ~ +10%		
	Grid Type	3W + PE		
	Rated Frequency	50 Hz / 60 Hz		
	Power Factor	0.99 / -1 ~ +1		
	THDi	≤ 3%		
	DC Ratio	< 0.5% Ipn		
General	Max. Round Trip Efficiency	89%		
	Cycle Life	≥ 8,000 cycles		
	Communication	Modbus TCP/IP		
	Fire Suppression System	Aerosol		
	Ingress Rating	IP55		
	Cooling	Liquid cooling + Forced air cooling		
	Operating Temperature	25°C ~ 55°C (Derating after 45°C)		
	Anticorrosion Rating	C4 (C5 optional)		
	Humidity	0 ~ 95% RH (non-condensing)		
	Noise	≤ 80 dB		
	Altitude	3000 m (Derating above 2000 m)		
	Dimensions (W*D*H)	1,500*1,350*2,400 mm		
	Weight	3,800 kg		