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Technical Data Sheet of Stacked Battery for Low Voltage ESS

Model	FHB-10KLV-01	FHB-15KLV-01	FHB-20KLV-01	FHB-25KLV-01	FHB-30KLV-01
Module Quantity	2	3	4	5	6
Capacity	10 kWh	15 kWh	20 kWh	25 kWh	30 kWh
Rated Voltage	51.2 V				
Max Con. Charging Power	10kW	10kW	10kW	10kW	10kW
Max Con. Discharge Current	97A	195.3A			
Size (with platform and BCU)	700*370*540mm	700*370*700mm	700*370*860mm	700*370*1,020mm	700*370*1,180mm
Weight (with platform and BCU)	132kg	183.1kg	234.2kg	285.3kg	336.4kg
Operating Temperature	-10 ~ 50°C				
Battery Cell Type	lithium iron phosphate LiFePo4 (cobalt-free)				
Protection Rating	IP65				
Round-trip Efficiency	≥ 95%				
Scalability	Max of 15 modules in parallel (total of 75 kWh)				
Cycle performance	> 80% remainance after 6,000 cycles				
Applications	on grid / on grid + backup / off grid				
Communication	CAN / RS485				
CE	IEC 62619: 2017, UN38.3				
EMC	EN61000-6-1, EN61000-6-3				
RoHs	yes				
Compatible Inverter Brands	CSIT - FHI-XXK1P-EU01 Hybrid Solar Inverters; Support other brands: PACE / PYLON / Growatt / Voltronic / Schneider / Luxpowertek / WOW / VISION / GoodWe / SMA / Sorotec / STUDER / SofarSolar / GINLONG / MUST / Victron / SRNE				