



FlinCharge 5kWh Energy Storage System

Compact Size and Lightweight Built-in lithium iron phosphate (LFP) cell with less space and weight.		Special Features	Fast Charging Battery module can be fully charged in shorter time.	
Modular Design Scalable battery module. Can be easily stacked and added for energy expansion.			Maximum Cycle Life 8000 cycles are for 60% DOD with >50% capacity; 2000 cycles are for 90% DOD with >80% capacity.	



Model	FLINCHARGE - ESS - 4810B (5 kWh, 51.2V)						
Applicable Inverter Rating	≤ 5.6 kW				6 kW ~ 12 kW		
Battery Cell Technology	Lithium iron phosphate						
Number of Module	1	2	3	4	2	3	4
Usable Energy	5kWh	10kWh	15kWh	20kWh	10kWh	15kWh	20kWh
Rated Discharging Current	150A				300A		
Peak Discharging Current	192 A, 1 min				384 A, 1 min		
Nominal Voltage	51.2V						
Operating Voltage	40 - 56 VDC						
Charging Current	100A Max, 30A Default						
Dimension, D x W x H (mm) without Feet	185 x 540 x 420	185 x 540 x 840	185 x 540 x 1260	185 x 540 x 1680	185 x 540 x 1040	185 x 540 x 1460	185 x 540 x 1880
Net Weight (kg)	48	96	144	192	102	150	198
Operation Temperature Charge	0°C-50 °C						
Operation Temperature Discharge	0°C-50 °C						
Storage Temperature (At 50% SOC and specified temp, recoverable capacity in % vs time / 50%)	< 18 months: - 20 °C~25 °C						
	< 3 months: 25 °C~45 °C						
	< 1 months: 45 °C~60 °C						
	20 °C ± 5°C is the recommended storage temperature						
IP Protection	IP20						
Communication	RS-485 port (RJ45), CAN						
Certifications	IEC 62619, EN-61000-6-3, EN-61000-6-1, UKCA, UN38.3						

Product specifications are subjected to change without further notice