

ES Series

WALL MOUNTED LITHIUM BATTERY



Lithium iron phosphate
battery, safer



Supports up to
15 units in parallel



0.5C charging
1C discharging



≥6000 cycles*



ES Series Product Introduction

MODEL	ES5.12	ES10.24
Rated Voltage	51.2Vdc	
Number of battery strings	16strings	
Rated Capacity	100Ah	200Ah
Rated Energy	5120Wh	10240Wh
Number of parallel machines	15parallel	
Cell Type	LiFePO4	
Charge and discharge parameters		
Over-charge Protection Voltage	58.4Vdc	
Over-discharge Protection Voltage	43.2Vdc	
Rated Charge Current@RT	50A	100A
Max Charge Current@RT	100A	200A
Over Charge Protection Release	Discharge/Voltage recovery	
Operating Temp Range	discharge (-20~55℃) , charge (0~55℃)	
Output Voltage Range	43.2 - 58Vdc	
Rated Discharge Current@RT	100A	200A
Max Discharge Current@RT	105A	210A
Over Discharge Protection Release	Charging/Voltage recovery	
Battery protection parameters		
Over-charge protection	3700mV@1s	
Over-charge protection release	3380mV	
Over-charge release method	Cell 3380mV or Discharge	
Over-discharge protection	2800mV@5s	
Over-discharge protection release	2700mV	
Over-discharge release method	Cell 2950mV or Charging	
Over current protection (CHG)	110A@1s/210A@3s	
Over current protection (DISCHG)	150A@20ms/210A@3ms	
Over current release method (CHG)	Remove the charger	
Over current release method (DISCHG)	Cut off loads	
Over temperature - Protection	Protection@70℃/Protection Release@50℃	
Over temperature - Protection	Protection@85℃/Protection Release@64℃	
Parameters		
Communication	CAN/RS485	
IP level	IP31/IP54(Plus version)	
Display	Touch screen	
Interaction	WiFi (Option)	
Fire Safety	Aerosol (Option)	
Operating Temperature Range	Discharge (-20~55℃) , charge (0~55℃)	
Storage Temperature	-15℃ to 60℃	
Standard Configuration	Battery Cable, 25mm² × 1m, SC25-M6, 1 Red + 1 Black	Battery Cable, 50mm² × 1m, SC50-M8, 1 Red + 1 Black
Dimension(unit) L*W*H(mm)	635*480*180	1014*620*216
Weight (N.W.)	43kgs	95kgs

*Test conditions: 0.2C Charging/Discharging @25℃, 80% DOD.