

TECHNICAL DATA

MODEL	ES S-48100H (LV)	ES S-48100H (HV)
Battery Type	LiFePO4 (lithium iron phosphate battery)	
Nominal Capacity	100Ah	
Nominal Voltage	51.2V	
Total Energy	5120Wh	
Usable Energy	4800Wh	
Charge Cut-off Voltage	57.6V	
Discharge Cut-off Voltage	48V	
Cont. Charge Current	50A	
Max Cont. Charge Current	100A	
Cont. Discharge Current	50A	
Max Cont. Discharge Current	100A	
Peak discharge Current (3S)	110A	
Communication Mode	RS232, RS485, CAN	
Ingress Protection	IP20	
Scalability	max 16pcs in parallel	N/A
Serializability	N/A	max 10pcs
Lifespan (80% DOD)	≥6000 cycles, 25°C	
Compatible Inverters	Goodwe, Victron, SMA, Kosta, Fronius, Solis, Growatt, Sofar, Deye, Solar Ark, Outback, Voltronic, Pylontech optional, more brands will be announced	
Working Environment	-20°C-60°C, < 95% RH	
Storage Environment	-20°C~50°C, < 95% RH	
Operating Altitude	<2000m	
Weight	49KG	
Size (WxDxH, mm)	602x403x200mm	
Design Life	15 years	
Warranty Period	5 years (10 years optional)	