

TECHNICAL DATA

MODEL	ES R-4850	ES R-48100
Battery Type	LiFePO4 (lithium iron phosphate battery)	
Nominal Capacity	50Ah	100Ah
Nominal Voltage	51.2V	51.2V
Total Energy	2560Wh	5120Wh
Usable Energy	2300Wh	4800Wh
Charge Cut-off Voltage	57.6V	57.6V
Discharge Cut-off Voltage	48V	48V
Cont. Charge Current	25A	50A
Max Cont. Charge Current	50A	100A
Cont. Discharge Current	20A	50A
Max Cont. Discharge Current	50A	100A
Peak discharge Current (3S)	55A	110A
Communication Mode	RS232, RS485, CAN	
Ingress Protection	IP20	
Scalability	max 16pcs in parallel	
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	27KG	48KG
Size (Wx D x H, mm)	433×425×133mm	433×425×220mm
Design Life	15 years	
Warranty Period	5 years (10 years optional)	