



ESS48300H



ESS48500H



ESS48600H

Model	ESS48300H	ESS48500H	ESS48600H	
<b>General Characteristics</b>				
Nominal voltage	51.2V	51.2V	51.2V	
Nominal capacity@0.2C	300Ah	500Ah	600Ah	
Nominal energy	15.36kWh	25.6kWh	30.72kWh	
Dimensions(W*D*H)	600*600*1200mm	600*600*1600mm	600*600*1800*mm	
Approx. weight (exclude cabinet)	156kg	260kg	315kg	
Multiple Battery Model	48100 x 3	48100 x 5	48100 x 6	
Battery connection	Parallel			
<b>Electrical Characteristics</b>				
Operating voltage range	44.8V~57.6V	44.8V~57.6V	44.8V~57.6V	
Recommended charging voltage	56V~57.6V	56V~57.6V	56V~57.6V	
Max. charging current	150A	250A	300A	
Charging current limit in parallel connection (switched ON)	30A	50A	60A	
Max. continuous discharging current	150A	250A	300A	
Max. peak discharging current	180A, <3S	300A, <3S	360A, <3S	
Discharging cut-off voltage	44.8V	44.8V	44.8V	
Faraday charging efficiency	≥98%	≥98%	≥98%	
Energy charging efficiency	≥92%	≥92%	≥92%	
<b>Operating Conditions</b>				
Operating temperature	Charge	0°C~45°C	0°C~45°C	0°C~45°C
	Discharge	-20°C~45°C	-20°C~45°C	-20°C~45°C
Storage temperature	-10°C~45°C			
Storage duration	12 Months @20°C~25°C	12 Months @20°C~25°C	12 Months @20°C~25°C	
Safety standard	UL 1642 at cell level			
Water dust resistance	IP30			