



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*1800mm
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%	
Energy charging efficiency		≥92%	
<b>Operating Conditions</b>			
Operating temperature	Charge	0°C~45°C	
	Discharge	-20°C~45°C	
Storage temperature	-10°C~45°C		
Storage duration	12 Months @20°C~25°C		
Safety standard	UL 1642 at cell level		
Water dust resistance	IP30		

Low speed electric vehicle LSEV is a new energy vehicle at speed about 25mph between golf cart and car or automobiles, more comfort and safer than golf cart, also more economical and smarter than automobiles, it's a new ideal choice for city-in daily travel or short distance travel.



Gear up for LiFePO<sub>4</sub> Battery. We have a better solution for your fleet, no matter of standard or custom.

### Standard Lineup

- Nominal voltage 51.2V and 60V as typical nominal voltage
- Capacity from 12Ah ~ 42Ah for short and long-range mileage
- Standard BMS with options for charging and discharging current (subject to engineering approval)

### Features

- Built-in intelligent BMS (Battery Management System) for battery protection from overcharge, over-discharge, overcurrent and over-temperature.
- Safest lithium chemistry with high energy density
- Efficient & long-lasting service life
- Durable metal sheet enclosure
- Plug & play replacement



### Custom Service

- Battery is built as of requirement from cells selection, BMS to structure and appearance
- Engineering & manufacturing support such as from consultation, material sourcing to cost control