





ESS48500H

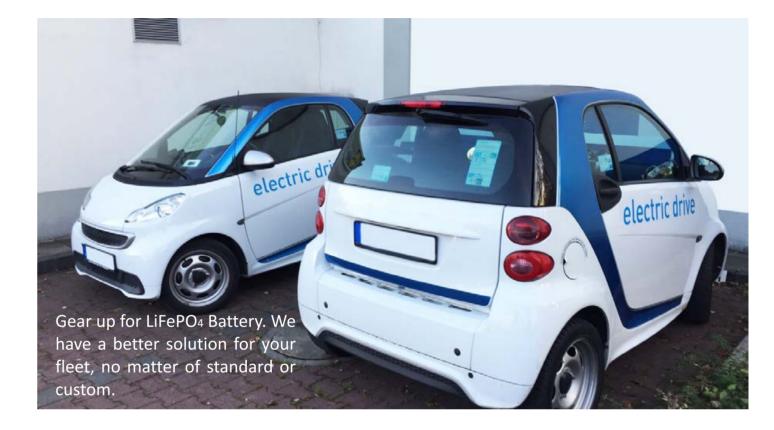


ESS48600H

Model		ESS48300H	ESS48500H	ESS48600H
General Characteris	stics		•	
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	
Electrical Character	ristics			
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%		
Operating Conditio	ns			
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		

LiFePO₄ Battery

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.



Standard Lineup

- Nominal voltage 51.2V and 60V as typical nominal voltage
- Capacity from 12Ah ~ 42Ah for shot 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 overtemperature
- 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 souring to cost control



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