

## Lithium-Ion-Pack

# EP-LFP176Ah-Pack

### Advantage

- **Recharges much faster**
- **Low self discharge**
- **Incredible small size**
- **Longer service life**
- **Less weight**
- **High rigidity**



Lithium-ion batterie pack for use in electric powered mobilities. The system consists of Lithium-Ion-Cells, connected in series to reach the system voltage. The battery system voltage can be verified by different combination of packs.

No.	Items	EP-LFP176Ah STANDARD PACK			Note	
		176Ah1p48s	176Ah1p45s	176Ah1p33s		
1	Nominal Voltage (V)	153.6	144	105.6		
2	Voltage (V)	min	120	112.5	82.5	
		max	175.2	164.25	120.45	
3	Group mode	1p48s	1p45s	1p33s		
4	Nominal energy (kWh)	27.03	25.34	18.59	1/3C, 25°C±2°C, 100%DoD	
5	Available energy (kWh)	26.7	24.8	18.2		
6	Weight (kg)	232	218	204	1/3C 100%DoD	
7	Energy density (Wh/kg)	≥116				
8	Nominal capacity (Ah)	176				
9	End of life residual capacity (Ah)	140.8			80%DoD	
10	Max continuous charge current (A)	176				
11	Max continuous discharge current (A)	176				
12	Max pulse charge current (<10s) (A)	264				
13	Max pulse discharge current (<180s) (A)	352				
14	Humidity range	5% ~ 95%				
15	Self discharge	<3%			25±2°C, 50% SOC	
16	SOC operating range (%)	20-100				
17	Insulation requirements (MOhm)	≥20			1000V DC	
18	Protection class	IP68				
19	Modul cooling method	Natural cooling			PTC heater or watercooled plate	
20	Modul heating method	No				
21	Dimension L (mm)	1060	1010	820	Without bracket	
	Dimension B (mm)	630	630	630		
	Dimension H (mm)	240	240	240		