

Lithium-Ion-Pack

EP-LFP277Ah-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-LFP277Ah STANDARD PACK			Note	
		277Ah1p36s	277Ah1p33s	277Ah1p24s		
1	Nominal Voltage (V)	115.92	106.26	77.28		
2	Voltage (V)	min	90	82.5	60	
		max	131.4	120.45	87.6	
3	Group mode	1p36s	1p33s	1p24s		
4	Nominal energy (kWh)	32.11	29.43	21.41	1/3C, 25°C+-2°C, 100%DoD	
5	Available energy (kWh)	31.47	28.85	20.96		
6	Weight (kg)	240	221	202		
7	Energy density (Wh/kg)	>=122				
8	Nominal capacity (Ah)	277				
9	End of life residual capacity (Ah)	221			80%DoD	
10	Max continuous charge current (A)	277				
11	Max continuous discharge current (A)	277				
12	Max pulse charge current (<10s) (A)	415.5				
13	Max pulse discharge current (<180s) (A)	554				
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	Module cooling method	Natural cooling			PTC heater or watercooled plate	
20	Module heating method	No				
21	Dimension L (mm)	1060	1010	820	Without bracket	
	Dimension B (mm)	630	630	630		
	Dimension H (mm)	240	240	240		

