

24V Lithium-ion(LiFeP04) Power Battery



KEY FEATURES

Nominal Voltage: 25.6V

Capacity: 100-1120Ah, Customizable

Dimensions: Standard or Customizable

IP Grade: IP65

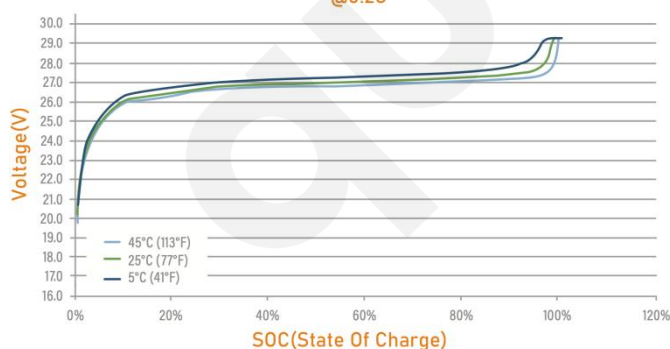
Cell Chemistry: Lithium Iron Phosphate (LiFeP04)

Remote Monitoring: 4G Optional

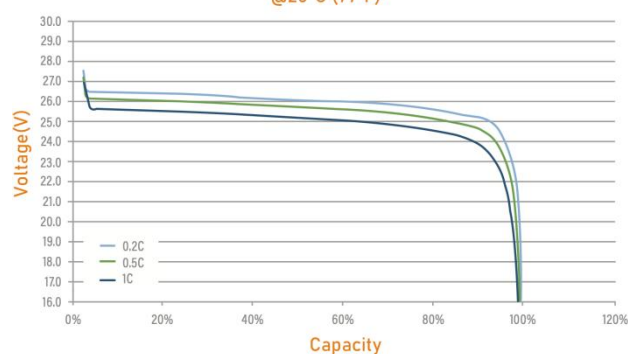
Lifespan: >3500 cycles @80% DoD, 25°C(77°F), 0.5C



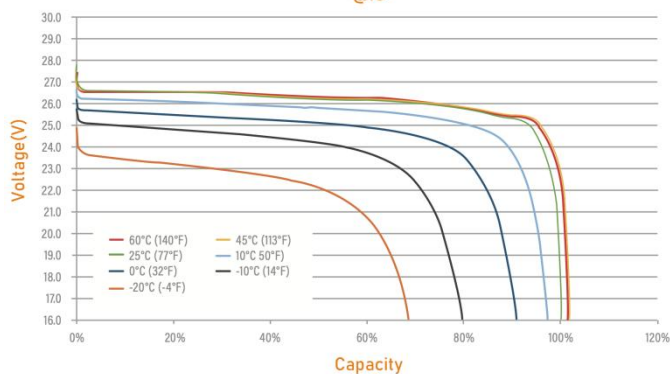
Voltage Change at Different Temperature During Charging
@0.2C



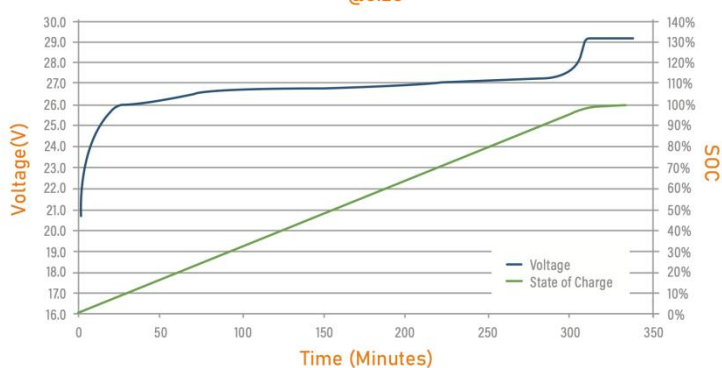
Voltage Change at Different C-Rate During Discharging
@25°C (77°F)



Dischargeable Energy Capacity Change at Different Temperature
@1C



Voltage and SOC Change During Charging
@0.2C



Specifications

Model	QL24-150		QL24-173 T/S	QL24-202 T/S	QL24-230
Electrical					
Nominal Voltage	25.6 V				
Operation Voltage	20 - 29.2 V				
Rated Capacity	150 Ah	173 Ah	202 Ah	230 Ah	
Rated Energy	3.84 kWh	4.43 kWh	5.17 kWh	5.89 kWh	
Suggested DoD	< 90%				
Max DoD	100%				
Self-Discharge	< 3% per Month				
Cells Type	LiFePO4 Prismatic				
Cell Model	3.2 V 150 Ah	3.2 V 173 Ah	3.2 V 202 Ah	3.2 V 230 Ah	
Cells Configuration	8S1P	8S1P	8S1P	8S1P	
Balancing	60 mA, Passive Balancing				
Charge					
Charge Voltage	28.8 V				
BMS Charge Voltage Cut-Off	28.8 V				
Recommended Charge Current	< 75 A	< 85 A	< 100 A	< 115 A	
Max. Continuous Charge Current	150 A	170 A	200 A	230 A	
Charge Temperature	0 - 55 °C (32 - 131 °F)				
Discharge					
Recommended Discharge Current	< 75A	< 85A	< 100A	< 115A	
Max. Continuous Discharge Current	100 A	100 A	200 A	200 A	
Peak Discharge Current	300 A @ 30S	300 A @ 30S	400 A @ 30S	400 A @ 30S	
Recommended Low Voltage Cut-Off	23.2 V				
BMS Discharge Voltage Cut-Off	20 V				
Discharge Temperature	-20 - 60 °C (-4 - 140 °F)				
Mechanical					
Dimensions	620 * 190 * 520 mm (24.41 * 7.48 * 20.47 inch)	T: 740 * 170 * 520 mm (29.13 * 6.69 * 20.47 inch) S: 790 * 200 * 460 mm (31.1 * 7.87 * 18.11 inch)	T: 740 * 170 * 520 mm (29.13 * 6.69 * 20.47 inch) S: 790 * 200 * 460 mm (31.1 * 7.87 * 18.11 inch)	620 * 190 * 520 mm (24.41 * 7.48 * 20.47 inch)	
Weight	60 kg (132.28 lbs)	69 kg (152.12 lbs)	77 kg (169.76 lbs)	79 kg (174.17 lbs)	
Terminal Type	Charge: REMA, Discharge: Anderson				
Case Material	Powder Coated Steel				
Enclosure Protection	IP65				
Communication					
LCD Screen	Yes	Yes	Yes	Yes	
Bluetooth	No	No	No	No	
CAN	Yes	Yes	Yes	Yes	
4G	Optional	Optional	Optional	Optional	
WiFi	Optional	Optional	Optional	Optional	
Safety And Warranty					
Protection Function	Overcharge, Over-discharge, Over current, Short Circuit, Over Temperature, Under Temperature				
Storage	0 - 40 °C (32 - 104 °F), < RH 80%, > 60% SOC				
Warranty	5 Years				
Lifespan	10 years or 3500 Cycles @ 25°C, 80% EOL				
Certificates	CE, RoHS, UN38.3, IEC, MSDS				

1. All specifications shown above are subject to change during products improving at any time without prior notice.
2. For other batteries not listed above, customization is also available.