

# Standard Lithium Battery System

## Product Features:

- 51.2V standard battery module.
- 50Ah module supports 4C, 100Ah module supports 2C continuous discharge.
- Suitable for applications with backup time more than 15 min.
- Can directly replace lead-acid batteries with rated voltages of 192V, 240V, 384V ( $\pm 192V$ ) and 480V ( $\pm 240V$ )

Standard Lithium Battery							
Module	Cell Type	Lithium Iron Phosphate Battery					
	Cell Composition	27Ah, 2P16S		105Ah, 1P16S			
	Rated Voltage	51.2V					
	Operating Voltage	41.6~57.6V					
	Rated Capacity	50Ah		100Ah			
	Rated Power	2.56kWh		5.12kWh			
	Discharge Current	200A Continuous Discharge(4C)		200A Continuous Discharge(2C)			
	Output Power	10.24kW		10.24kW			
	Standard Standby Time	15min		30min			
	Charging Current	50A Continuous Charging(1C)		50A Continuous Charging(0.5C)			
	Dimension W × D × H	200×645×175(4U)mm		200×645×241.8(5.5U)mm			
	Weight	32kg		45kg			
System	Optional Specifications and Capacities	204.8V	50Ah	10.24kWh	204.8V	100Ah	20.48kWh
		256V	50Ah	12.8kWh	256V	100Ah	25.6kWh
		409.6V	50Ah	20.48kWh	409.6V	100Ah	40.96kWh
		±204.8V	50Ah	20.48kWh	±204.8V	100Ah	40.96kWh
		512V	50Ah	25.6kWh	512V	100Ah	51.2kWh
		±256V	50Ah	25.6kWh	±256V	100Ah	51.2kWh
	Discharge Current	200A Continuous Discharge(4C)		200A Continuous Discharge(2C)			
	Charging Current	50A Continuous Charging(1C)		50A Continuous Charging(0.5C)			
	Cycle Life	4000 Cycles @80% DOD, 0.5C/0.5C					
	Communication Interface	CAN/RS485/Dry Contact					
	Protection Function	Overcharge, Over Discharge, Over Temperature, Over Current, Short Circuit, etc					
	Cabinet Type	Frame					
	Dimension W × D × H	600×800×1800mm					
	Weight	Module Weight × N + Cabinet Weight 200kg					
	Storage Temperature	0°C~40°C					
Transport Temperature	-20°C~60°C						
Operating Temperature	0°C~40°C (Recommend 20~25°C)						
Relative Humidity	5%~95% (No Condensation)						
Altitude	≤2000 m						

The above parameters are at 25 °C. The current product specifications are subject to change without further notice.

# High Energy Density Lithium Battery System

## Product Features:

- 51.2V standard battery module.
- 3U battery module with capacity up to 200Ah.
- It is suitable for applications with backup time of 60 min. and above.
- Can directly replace lead-acid batteries with rated voltages of 192V, 240V, 384V ( $\pm 192V$ ) and 480V ( $\pm 240V$ )

High Energy Density Lithium Battery							
Module	Cell type	Lithium Iron Phosphate Battery					
	Cell Composition	100Ah, 1P16S		100Ah, 2P16S			
	Rated Voltage	51.2V					
	Operating Voltage	41.6~57.6V					
	Rated Capacity	100Ah		200Ah			
	Rated Power	5.12kWh		10.24kWh			
	Discharge Current	100A Continuous Discharge (1C)		200A Continuous Discharge (1C)			
	Output Power	5.12kW		10.24kW			
	Standard Standby Time	60min		60min			
	Charging Current	50A Continuous Charging (0.5C)		100A Continuous Charging (0.5C)			
	Dimension W × D × H	440×441×131(3U) mm		440×770.5×131(3U) mm			
	Weight	43 kg		80 kg			
	System	Optional Specifications and Capacities	204.8V	100Ah	20.48kWh	204.8V	200Ah
256V			100Ah	25.6kWh	256V	200Ah	51.2kWh
409.6V			100Ah	40.96kWh	409.6V	200Ah	81.92kWh
±204.8V			100Ah	40.96kWh	±204.8V	200Ah	81.92kWh
512V			100Ah	51.2kWh	512V	200Ah	102.4kWh
±256V			100Ah	51.2kWh	±256V	200Ah	102.4kWh
Discharge Current		100A Continuous Discharge (1C)		200A Continuous Discharge (1C)			
Charging Current		50A Continuous Charging (0.5C)		100A Continuous Charging (0.5C)			
Cycle Life		4000 Cycles @80% DOD, 0.5C/0.5C					
Communication Interface		CAN/RS485/Dry Contact					
Protection Function		Overcharge, Over Discharge, Over Temperature, Over Current, Short Circuit, etc					
Cabinet Type		Frame					
Dimension W × D × H		600×800×1800mm		600×1000×1800mm			
Weight		Module Weight × N + Cabinet Weight 200 kg		Module Weight × N + Cabinet Weight 250 kg			
Storage Temperature		0°C ~ 40°C					
Transport Temperature		-20°C ~ 60°C					
Operating Temperature		0°C ~ 40°C (Recommend 20~25°C)					
Relative Humidity	5% ~ 95% (No Condensation)						
Altitude	≤2000 m						

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# High Power Lithium Battery System

## Product Features:

- 51.2V standard battery module.
- Special 50Ah high power cell, supporting 6 ~ 12C continuous discharge.
- Suitable for applications with backup time less than 10 min.
- Can directly replace lead-acid batteries with rated voltages of 192V, 240V, 384V ( $\pm 192V$ ) and 480V ( $\pm 240V$ )

High Power Lithium Battery				
Module	Cell Type	High Discharge Rate Lithium Iron Phosphate Battery		
	Cell Composition	50Ah, 1P16S		
	Rated Voltage	51.2V		
	Operating Voltage	41.6~57.6V		
	Rated Capacity	50Ah		
	Rated Power	2.56kWh		
	Discharge Current	300~600A Continuous Discharge (6~12C)		
	Output Power	30.72kW		
	Standard Standby Time	5 min		
	Charging Current	50A Continuous Charging (1C)		
	Dimension W × D × H	200×645×175(4U) mm		
	Weight	32kg		
System	Optional Specifications and Capacities	204.8V	50Ah	10.24kWh
		256V	50Ah	12.8kWh
		409.6V	50Ah	20.48kWh
		$\pm 204.8V$	50Ah	20.48kWh
		512V	50Ah	25.6kWh
		$\pm 256V$	50Ah	25.6kWh
	Discharge Current	300~600A Continuous Discharge (6~12C)		
	Charging Current	50A Continuous Charging(1C)		
	Cycle Life	4000 Cycles @80% DOD, 0.5C/0.5C		
	Communication Interface	CAN/RS485/Dry Contact		
	Protection Function	Overcharge, Over Discharge, Over Temperature, Over Current, Short Circuit, etc		
	Cabinet Type	Frame		
	Dimension W × D × H	600×800×1800mm		
	Weight	Module Weight × N + Cabinet Weight 250 kg		
	Storage Temperature	0°C~40°C		
	Transport Temperature	-20°C~60°C		
Operating Temperature	0°C~40°C (Recommend 20~25°C)			
Relative Humidity	5%~95% (No Condensation)			
Altitude	≤2000 m			

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