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COMPLETE ENERGY SOLUTIONS

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energiq
POWER WITH INTELLIGENCE

Lithium-Ion Battery
12.8V-360V (100-400Ah)



Key Features

- BLUETOOTH CONNECTIVITY*
- EXTRA MILE
- LOW SELF DISCHARGE
- LONG LIFE CYCLE
- ECO FRIENDLY

The Smarten Energiq Lithium-Ion Battery delivers "Power with Intelligence," offering a robust and eco-friendly energy storage solution. Available in 12.8V, 25.6V, and 51.2V configurations, these 100Ah powerhouses are designed to provide highly efficient and reliable power for your diverse energy needs.

Built to go the extra mile, the Energiq series features active cell balancing, ultra-low self-discharge, and a remarkably long life cycle. Select models also include Bluetooth connectivity, allowing you to easily monitor your system's performance and ensure optimal energy management.

Safety and durability are at the core of its design, featuring comprehensive built-in protections against over-current, short circuits, and voltage fluctuations. Step into the future of smart power storage with a battery that guarantees safe, superior, and sustainable performance.

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SMARTEN POWER SYSTEMS LIMITED

LITHIUM-ION BATTERY
12.8V-360V (100-400Ah)

TECHNICAL SPECIFICATION

Parameters	Specified Value		
	SMARTEN 12.8V - 100Ah	SMARTEN 25.6V - 100Ah	SMARTEN 51.2V - 100Ah
Battery Capacity	100Ah		
Battery Nominal Voltage	12.8V± 0.2V	25.6V ± 0.2V	51.2V ± 0.2V
Battery High cut Voltage	14.4V± 0.2V	28.8V ± 0.2V	57.6V ± 0.2V
Battery Low Cut Voltage	10.4V± 0.2V	20.8V ± 0.2V	41.5V ± 0.2V
Standard Charging Current	50Amp. ± 0.5Amp.		
Allowed Maximum Charging Current	70Amp. ± 1.0Amp.		
Allowed Maximum Discharging Current	80Amp. ± 1.0Amp.		
Standard Charge	CV-CC		
Overcurrent Protection	150Amp-60Sec		
Battery Cell	4S	8S	16S
Over Voltage Protection (OVP)	3.65V ± 25mV per cell		
Over Voltage Protection Release (OVPR)	3.55V ± 50mV per cell		
Under Voltage Protection (UVP)	2.60V ± 80mV per cell		
Under Voltage Protection Release (UVPR)	2.90V ± 100mV per cell		
Short Circuit Current Protection	660A		
Operating Temperature	0°C to 60°C		

*Selected models only

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