



FUELON
51.2V100Ah

PackVolt: 49.3 V
Im: 0.0 A
SOC: 75.0 %
<< BMS Info >>

- MENU
- ENTER
- DOWN
- ESC

RS485-2 DRY RESET ON/OFF

TECHNICAL DATASHEET

Lithium-ion Batteries for Energy Storage System



FUELON

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BATTERY ENERGY STORAGE SYSTEM

Main Parameters

CHARACTERISTICS		SPECIFICATIONS
Battery Chemistry		LiFePO4
Capacity (Ah)		100 Ah
Scalability		Max.16 Nos. in Parallel (81.92 kWh)
Nominal Voltage (V)		51.2
Operating Voltage (V)		41.6~58.4
Rated Capacity (kWh)		5.12
Usable Energy @90% DoD (kWh)		4.6
Charge/ Discharge Current (A)	Recommend	50
	Max.	100
	Peak(12sec, 25°C)	150

Other Parameters

CHARACTERISTICS		SPECIFICATIONS
Recommend Depth of Discharge		90%
Dimension (mm)		Battery 602*400*220 (Hanging Plate L*W 500*380)
Weight Approximate (kg)		62
Interface Panel (LCD Display)		4LED(SOC:25%~SOC100%), LCD (Voltage, Current, Temperature, SOC)
IP Rating of Enclosure		IP65*
Operating Temperature (°C)		Charge:0~55°C / Discharge:-20°C~55°C
Storage Temperature		0°C~35°C
Humidity		5% ~ 95%
Altitude		≤2000m
Cycle Life		≥6000(25C±2°C,0.5C/0.5C, 90%DOD, 70%EOL)
Installation		Wall-Mounted
Communication Port		CAN2.0, RS485
Warranty Period		10 Years



BATTERY ENERGY STORAGE SYSTEM

Features

► SHIELDED

Cobalt Free Lithium Ferro Phosphate (LFP) Battery, safety and long lifespan, high efficiency and high-power density. Intelligent Software BMS with data logger and complete protection.

► DEPENDABLE

Supports high discharge of energy. IP65 with natural cooling, wide temperature range: -20°C to 55°C.

► PLIABLE

Modular design, easy to expand, Max. 16 units in parallel, Max. capacity of 81.92kWh. Suited to residential and commercial applications for increasing the self consumption ratio.

► CONVENIENT

Battery module auto communication, easy maintenance using Dry Contact, Inbuilt Bluetooth for monitoring.

► DESIGN TYPE

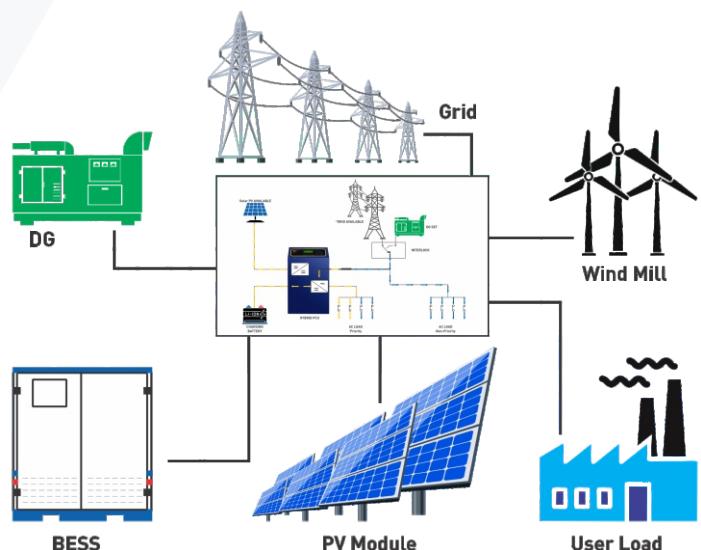
Flat design, support wall-mounted, saving installation space.

Applications

- Power Backup
- Data Center
- Internet Data Center
- Domestic UPS: Inverter
- Hospitals
- Industrial Inverter
- Airports, Rail & Marine Transit

Salient Features

- Flexible Configuration
- Modular Standard Design
- Multi-purpose Operation Mode
- Easy Install
- Smooth Communication Support
- Parameters Visual Display and Alarm
- Support Parallel Use of Multiple Machines
- Long Life
- Flexible Controls
- Seamless Monitoring



BATTERY ENERGY STORAGE SYSTEM

Our cutting-edge technology allows you to unlock energy independence, harness renewable energy sources, and reduce reliance on fossil fuels. Experience unparalleled efficiency and sustainability as you enjoy an uninterrupted power supply. With our advanced Battery Energy Storage Systems, you can take control of your energy consumption and pave the way for a greener, more sustainable future. Discover a new era of energy storage solutions today and embrace the power of tomorrow.



Certifications



Factory Add:- Plot No. EL-96, T.T.C. Industrial Area M.I.D.C,
Mahape, Navi Mumbai, Maharashtra - 400705

