



IFS51.2-1000E3 Household Energy Storage

A New Era in Energy Storage, O'CELL IFS51.2-1000E3(51.2V 100Ah)

The O'CELL IFS51.2-1000E3(51.2V 100Ah) Energy Storage Systems are a family of 51.2V battery modules and accessories. The 51.2V family is designed as a drop-in replacement for similar sized lead-acid batteries offering twice the run-time and nearly half the weight. The 51.2V series is designed for lower voltage, lower power and longer run-time applications. They are built with LFP Technology that offers outstanding intrinsic safety and excellent float and cycle life in low cost of ownership

• Applications

- Uninterrupted Power Supply(UPS)
- Marine application
- Energy storage system
- Floor sweeper
- Electric vehicle
- Communication system

• Features

- Eco-friendly
- Lithium iron phosphate battery(LiFePO4)
- Currently the safest lithium technology
- Excellent resistance to abuse
- Less than 3% self discharging
- Maintenance-free, modular, and lightweight
- Up to 60% weight saving
- Battery monitoring storage history
- Built in safety protection
- 15-18 years designed service life

• Product Certificates

- ISO9001
- ISO14001
- CE
- UN38.3
- UL

• Safe

O'Cell batteries are based on Lithium iron battery technology (LiFePO4). This is the safest Lithium technology available today. On top of that our bespoke casing and electronics further increase safety and durability.

• Technology

O'Cell batteries do not contain lead LiFePO4 technology is an environmentally friendly way to store energy.



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Technical Parameters

Item	Parameters	
Performance parameters		
Model	IFS51.2-1000E3	
Pack	IFR26650-16S30P	
Nominal voltage	51.2V	
Rated capacity	100Ah	
Energy	5120Wh	
Standard charging	20A	
Charging current (Maximum)	100A	
Discharge current (Maximum)	100A	
Discharge cut-off voltage	43.2V	
Charging cut-off voltage	58.4V	
Dimensions	Length	420±1mm
	Width	482.5±1mm
	Height	177±1mm
Weight	About 50kg	
Function Description		
Installation method	Rack mounted	
Communication interface	RS485/RS232/CAN	
Indicator state	ALM/RUN/SOC	
Parallel communication	Maximum support for 16 sets of parallel	
Alarm and protection	Over voltage, under voltage, short circuit, overload, over current, over temperature, low temperature protection, etc.	
Working Condition		
Humidity	60±25%R.H.	
Operating temperature	Charge	0°C~65°C
	Discharge	-20°C~75°C
	Storage	-10°C~35°C

