



Shenzhen O'CELL Technology Co.,Ltd



GRID-CONNECTED

ENERGY STORAGE

INVERTER

Company Address:

T1-603, Silicon Valley Compound, Qingquan Road,
Longhua District, Shenzhen, China

Production Base Address: O'CELL Industry Park, Yayuan
Road, Xiaoting District, Yichang, Hubei, China

Tel: +86-(0)755-21013185

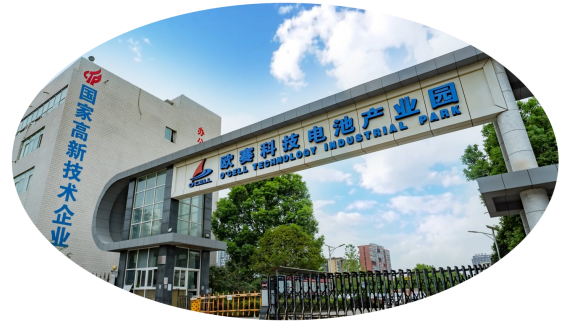
Email: marketing@ocelltech.com

www.ocelltech.com



O'CELL is a list company in China, established in 2008, its Lifepo4 battery of one-stop production from raw material to cell & power solution , the quality and service are ensured well among the wide application.

From the commissioning of the first lithium iron phosphate cathode material production line to becoming a strategic partner of China's Lunar Exploration and Deep Space exploration technology, O'CELL has been regrading technological innovation as the soul and core competitiveness of the enterprise.








Features:


- ▶ Design for home appliances, easy to install and handle;
- ▶ Stackable and 2 to 10 units can be connected in series ;
- ▶ Powerful BMS management, safe and reliable;
- ▶ Integrate accurate SOC prediction unit, cell temperature detection unit, battery status control module.


Applications:

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E-Two
wheeled vehicle
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Low
speed vehicle
- 

Energy
storage
market
- 

E-tricycle
- 

E-logistics vehicle

Features:

- ▶ Three level protection;
- ▶ Charge & discharge current up to 100A ;
- ▶ Integrated CAN & RS485 communication;
- ▶ Support 10 units in series and then in one parallel, can manage up to 20 units of battery packs, with total capacity up to 100kWh;
- ▶ Small size, light weight, plug and play interface, easy to install;
- ▶ IP65 protection.

Model	OC-48V50AH	OC-48V105AH	OC-57.6V105AH
Cell Technology	Li-ion(LFP)	Li-ion(LFP)	Li-ion(LFP)
Capacity(Ah)	50	105	105
Series(PCS)	15	15	18
Standard Voltage(Vdc)	48	48	57.6
Max Voltage(Vdc)	54.75	54.75	65.7
Standard Charge Current(A)	25	50	50
Max Charge Voltage(Vdc)	53.25	53.25	53.25
Standard Discharge Current(A)	25	50	60
Max. Discharge Current(A)	30	55	65
Communication	RS485/CAN	RS485/CAN	RS485/CAN
Protection Class	IP54	IP54	IP54
Weight(Kg)	31	36	45
Operation Life(Years)	10	10	10
Cycle Life	3500@25°C/90%DOD	3500@25°C/90%DOD	3500@25°C/90%DOD
Operation Temperature(°C)	0~45	0~45	0~45
Storage Temperature(°C)	-20~60	-20~60	-20~60
Humidity	<45%	<45%	<45%
Altitude(m)	<2000	<2000	<2000
Certificate	IEC62619, UN38.3	IEC62619, UN38.3	IEC62619, UN38.3

Model	OC-BCU050K
Minimum Starting Voltage(Vdc)	85
Maximum system voltage(Vdc)	550
Standard Charge Current(A)	55
Standard Discharge Current(A)	55
Communication	RS485/CAN
Dimension(W*D*H)	452*320*75
Protection Class	IP54
Weight(Kg)	5.75
Operation Temperature(°C)	-20~60
Humidity	<45%
Altitude(m)	<2000
Certificate	IEC62619