



OVERSEAS UNIQUE TRADING L.L.C.

Lithium Battery Product Catalogue

OVS Lithium Batteries

5 kWh | 10 kWh | 15 kWh

LiFePO4 battery solutions for residential, backup and distributed storage applications. Includes compact wall-mounted and floor-mounted models with reliable battery management and compatibility with mainstream solar and hybrid inverter platforms.



5 kWh & 10 kWh Series



15 kWh Series



KJC Series

KJB Series

KJP Series

KJR Series



OEM Pack

KJP Series

Grid System

KJS Series for Storage Power

LiFePO₄ Lithium Battery



Flexibly and Easy Installation

wall-mounted or floor-mounted



Easy Management

Real time online monitoring system battery status, intelligent warning



Strong Compatibility

Covering all mainstream protocols and matching most mainstream inverters



Long Life

4 times long static and 8 consistency screening make the battery more durable



Safety & Reliability

Nano-coating and self-healing technology construct the LPF channel to add a firewall to the battery





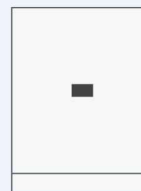
Specifications

Technical Specification

FLCD16-10048



FLCD16-20048



Performance

Battery Model	FLCD16-10024	FLCD16-10048
Capacity	51.2V100AH (100A)	51.2V200AH (200A)
Battery Total Energy	5.12kwh	10.24kwh
Rated Energy	5kwh	10kw
Peak Power	5.5kw	11kw
Rated Voltage (DC)	51.2V	51.2V
Allowable BMS Load Current	100A	200A
Battery Voltage Range(DC)	44.8V-58.4V	44.8V-58.4V
Inverter Operating Voltage Range (single-phase)	200V-240V	200V-240V
Inverter Operating Voltage Range (three-phase)	340-460V	340-460V

Communication

Display	SOC status indication, LED indicator screen
Protocol	RS485 /RS232/ CAN (Series parallel connection with either option)

Specifics

Dimension (L x W x H)	370*160*600mm	500*160*850mm
N.W (Accessories Included)	~45Kg	~90Kg
Installation	wall-mounted or floor-mounted	
Working Temperature	-20°C ~ + 55°C	
Maximum Working Altitude	4000 m (≥2000m derating)	
Installation Environment	Indoor & outdoor scenario,	
Working Relative Humidity	5% ~ 95%	
Heat Dissipation	natural convection	
Protection Grade	IP20	
Cell	Lithium Ion Battery	
Expansibility	A max of 16 modules can be used in parallel	
Matching Inverter	Most current mainstream inverters(lithium)	
Package Dimension	650*420*210mm(carton)	920*570*340mm(wooden)

· Approx. weight of wooden package : 15kg/PCS, Approx. weight of carton package : 1.5kg/PCS

Satisfied Criteria

Safety & Certification	CE, CEC, IEC62619, IEC 60730, UN38.3
*1 Test conditions: Based on the factory date, charge and discharge rate at 0.2C at 100% discharge depth (DoD) and 25 °C	
*2 The weight of the battery module is based on the actual product, with a tolerance of ± 3% allowed	
*3 The installation of battery packs is related to product quality assurance, safe and stable operation. Please follow the requirements of the user manual for standardized installation, use, and routine maintenance	



LFC Series

LFB Series

LFP Series

LFR Series



OEM Pack

LFP Series

Grid System

LFS Series for Storage Power

LiFePO₄ Lithium Battery



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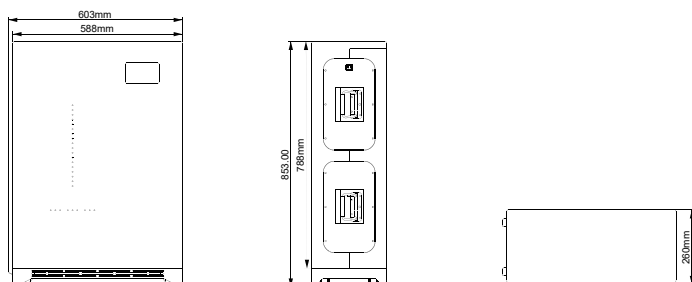
Safety & Reliability

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Outer Dimensions



Specifications

Nominal voltage		51.2V
Nominal capacity		280Ah
Dimensions	Length	588±2mm (24.6inch)
	Width	260±2mm (10.6inch)
	height	852±2mm (39.3inch)
Approx. net weight		140kg (308.6lbs)±2kg
Approx. gross weight		165kg (363.8lbs)±2kg
Electrical Parameters (25°C)	Rated Voltage	51.2V
	Rated Capacity (Cs)	280Ah@25°C
	Energy	14336Wh
	Months Self Discharge	<3%
	Charge Efficiency	99.5%@ 0.2C
	Discharge Efficiency	96-99%@ 1C
Terminal Diameter		M8
Internal resistance (Fully charged, 25°C)		≤200mΩ
Cycle life		>3000 cycles @ 0.2C 100%D.O.D
Capacity affected by temperature	40°C	101%
	25°C	100%
	0°C	90%
	-10°C	75%
Nominal operating temperature		25°C± 3°C (77°F± 5°F)
Operating temperature range	Discharge	- 20°C~ 60°C (-4°F ~ 140°F)
	Charge	0°C~ 45°C (32°F ~ 113°F)
	Storage	0°C~ 40°C (32°F ~ 104°F)
Water Dust Resistance		IP50
Charge Voltage		57V
Standard Charge Mode(25°C±2°C, <75%RH)		0.2CA Constant Current to 57V, then Constant Voltage 57V , until the current drops to 0.02CA, before use, rest 30 minutes
Charge Current		80A
Maximum Charge Current		100A
Charge Cut off Voltage		57V
Continuous Discharge Current		200A
Maximum Pulse Current		240A (<1S)
Discharge Cut Off Voltage		46V
Communicate Protocol (optional)		RS485
SOC (optional)		Screen/LED/PC Software
Application connection		1 string 1 parallel
Mechanical		16 Strings
Cell		Metal
The dimension of wooden package (mm)		915*650*430

¹ Test conditions: Based on the factory date, charge and discharge rate at 0.2C at 100% discharge depth (DoD) and 25 °C

² The weight of the battery module is based on the actual product, with a tolerance of ± 3% allowed

³ The installation of battery packs is related to product quality assurance, safe and stable operation. Please follow the requirements of the user manual for standardized installation, use, and routine maintenance