

KEC Series

KEB Series

KEP Series

KER Series

OEM Pack

KEP Series

Grid System

KES 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

FLCD16-10048

FLCD16-20048

Technical Specification

Performance		
Battery Model	FLCD16-10024	FLCD16-10048
Capacity	51.2V100AH (100A)	51.2V200AH (200A)
Battery Total Energy	5kwh	10kwh
Rated Energy	5.1kw	8.9kw
Peak Energy	6kw	10kw
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℃ ~ + 55℃	
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	