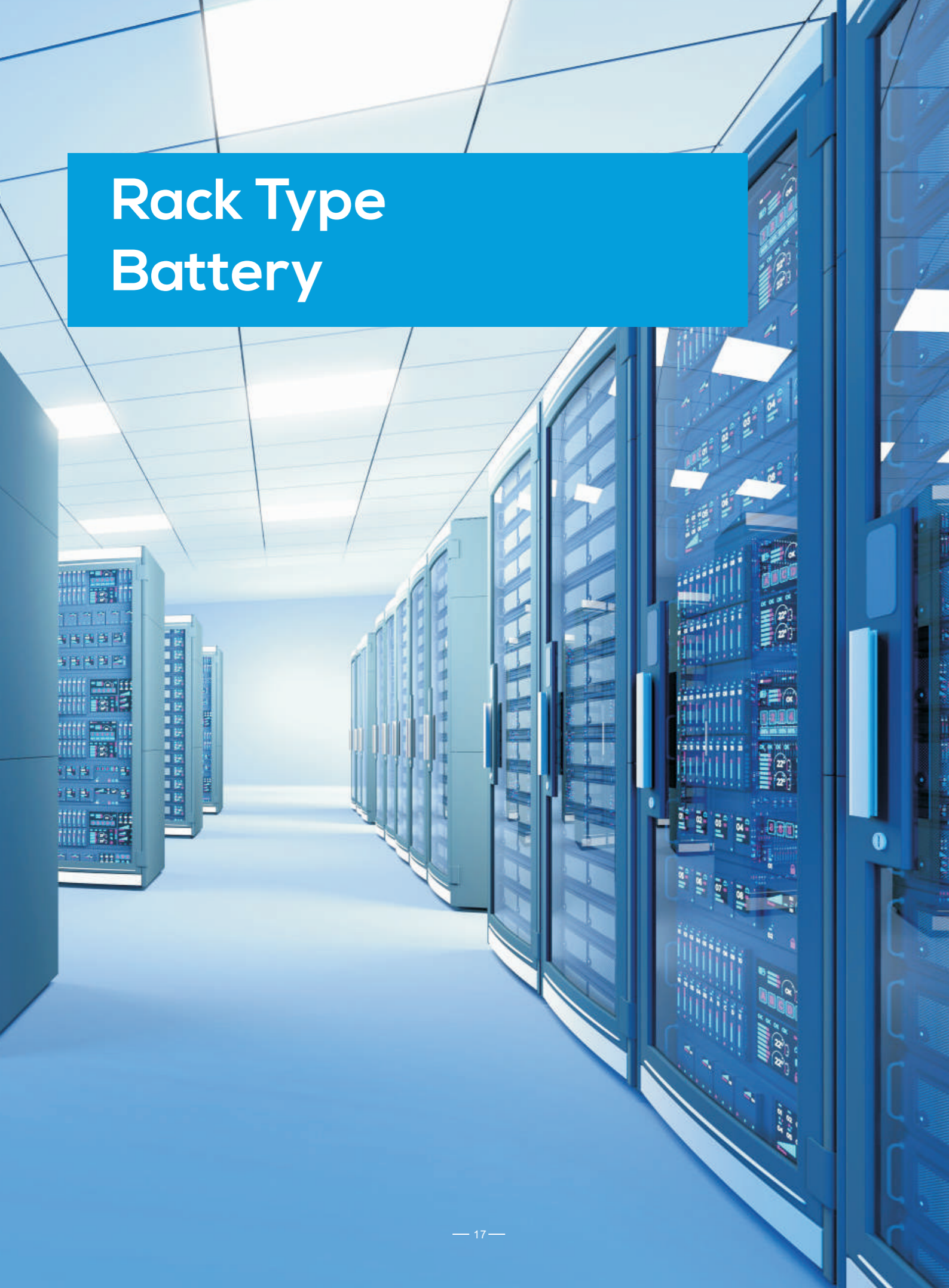


# Rack Type Battery



## Features

- **Long Cycle Life:** 3000~5000 times, service more than 8 to 10 years.
- **Installation:** The battery size shall conform to 19 inch standard cabinet.
- **High Power:** Support multiple batteries in series or in parallel to achieve greater capacity and charging and discharging current; Up to 16 in parallel are supported
- **Safety:** Level 4 protection, cell protection, BMS protection, air switch protection, grounding protection.
- **Communication:** The battery supports the communication protocol of 90% inverter manufacturers on the market.

## Application

- Solar/Wind energy storage system
- Telecommunication
- Residential/Hospital/School/Factory standby power
- Electric power systems

Model	CLFP-51.2-50-R	CLFP-51.2-100-R	CLFP-51.2-200-R
Battery Type	Lithium Iron Phosphate		
Combination method	3.2V52Ah Cell-16S1P	3.2V102Ah Cell-16S1P	3.2V105Ah Cell-16S2P
Energy	2.56KWh	5.12KWh	10.24KWh
Norminal Voltage	51.2V	51.2V	51.2V
Norminal Capacity	50Ah	100Ah	200Ah
Factory Voltage	52.0V-54.40V		
Charge Method	CC-CV 58.4V 0.05C cut off		
Max. Continuous Charge Current	50A T $\geq$ 10 $^{\circ}$ C	100A T $\geq$ 10 $^{\circ}$ C	100A T $\geq$ 10 $^{\circ}$ C
End of Discharge Voltage	40V		
Max. Continuous Discharge Current	50A T $\geq$ 10 $^{\circ}$ C	100A T $\geq$ 10 $^{\circ}$ C	100A T $\geq$ 10 $^{\circ}$ C
Cycle life	$\geq$ 3000times 80%SOC 0.5C/0.5C 25 $^{\circ}$ C	$\geq$ 5000times 80%SOC 0.5C/0.5C 25 $^{\circ}$ C	$\geq$ 4000times 80%SOC 0.5C/0.5C 25 $^{\circ}$ C
ACIR	$\leq$ 20m $\Omega$		
Batteries Parallel/Series	Max.16P/No support series		
Charge Temperature Range	0~45 $^{\circ}$ C		
Discharge Temperature Range	-10~55 $^{\circ}$ C		
Storage Temperature Range	Less than 8 months: -10~35 $^{\circ}$ C 60 $\pm$ 25%R.H.		
	less than 3 months: -10~45 $^{\circ}$ C 60 $\pm$ 25%R.H.		
	Less than 7 days: -20~65 $^{\circ}$ C 60 $\pm$ 25%R.H.		
Installation Method	Standard 19inch cabinet		
Communication	RS485 RS232 CAN		
Waterproof	IP21		
Weight	27.5kg	47kg	87kg
Size(W*D*H)	483*370*177mm	483*550*177mm	483*600*266mm
Certification	IEC62619 UN38.3 CE RoHS		