

# Stacked Battery System



## Features

- **Long Cycle Life:** 5000 times, service more than 10 years.
- **Modular design:** the battery module can be increased according to the power consumption; The battery system power range is 5kwh~25kwh.
- **Movable:** The battery chassis is equipped with four wheels capable of bearing 500kg weight, which is convenient to push the battery to the parking area on the flat ground. Wheel rotation and locking can be set manually.
- **Integrated design:** 3~5kw off grid integrated machine inverter can be installed on the top of the battery pack as required.
- **Safety:** Level 4 protection, cell protection, BMS protection, inverter protection, air switch protection, grounding protection.

## Application

- Solar/Wind energy storage system
- Community/Villa/Residential/Hospital/School/Gymnasium etc

## Stacked Battery System—Battery Parameters

Battery Module	CLFP-51.2-100-S	CLFP-51.2-200-S	CLFP-51.2-300-S	CLFP-51.2-400-S
Model	CLFP-51.2-100-S	CLFP-51.2-200-S	CLFP-51.2-300-S	CLFP-51.2-400-S
Battery Type	Lithium Iron Phosphate			
Energy	5.12KWH	10.24KWH	15.36KWH	20.48KWH
Nominal Voltage	51.2V			
Nominal Capacity	100AH	200AH	300AH	400AH
Charge Method	CC-CV 58.4V 0.05C cut off			
Max.Continuous Charge Current	100A			
End of Discharge Voltage	40V			
Max.Continuous Discharge Current	100A			
Cycle Life	≥5000times 80%SOC 0.5C/0.5C 25°C			
Use Period	> 10 Years@25°C			
Number Of Expandable Batteries	1~15	2~15	3~15	4~15
Optional Capacity Range	5.12~76.8KWH	10.24~76.8KWH	15.36~76.8KWH	20.48~76.8KWH
Cooling Method	Natural Cooling			
Storage	10°C ~ 35°C ≤85%RH			
Operating Temperature	20°C~55°C			
Installation Method	Stacked			
Communication	RS485 RS232 CAN			
Waterproof	IP42			
Size/Weight	550*500*170mm/54.5KG(single layer)			
Certification	IEC62619 UN38.3 CE RoHS			
Hybrid Inverter				
Phase Number	Single-Phase Sin Pure Wave			
Output Power	5KW (Optional)			
Rated Grid Frequency	50HZ/60HZ Auto Detect			
AC Input/Output Voltage Range	220V			
Max.PV Input Power	5000W (Optional)			
MPPT Voltage Range	60~115Vdc			
Battery Voltage Range	40.0Vdc~60Vdc			
Cooling Method	Fans			
Waterproof	IP21			
Size/Weight	550*500*170mm/18KG			
Certification	IEC62619 UN38.3 CE RoHS			
Chassis				
Chassis Size/Weight	L550*W500*H40mm/10KG			
Wheels Size/Load-bearing	H92mm/125KG*4			