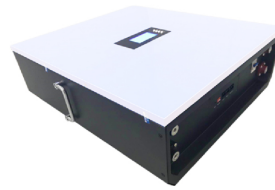
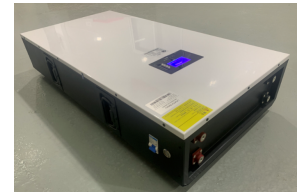


**Key Features**

- \* LiFePo4 lithium Energy storage Powerwall battery 2.56KWH/5.12KWH/7.68KWH/10.24KWH
- \* 6000 Cycle life(80% DOD@25 ), 10 times more than AGM battery
- \* Usable Energy Ratio upto 95%, 25-50% more than AGM battery
- \* Compact Size and light weight , over 50% less than AGM battery
- \* Wide Operation temperature '-20-60 C
- \* RS485 and CAN communication interface to Inverter
- \* LED and LCD display For Cell / Pack / BMS / SET
- \* Wide Compatibility, Cooperate With Most Inverters
- \* Embedded BMS , Full protection and Balance
- \* Max 18 Modular recommend 2-8 PCS Parallel to extend , OPTION
- \* Customizable base on customer requirement



LFP48100-PW

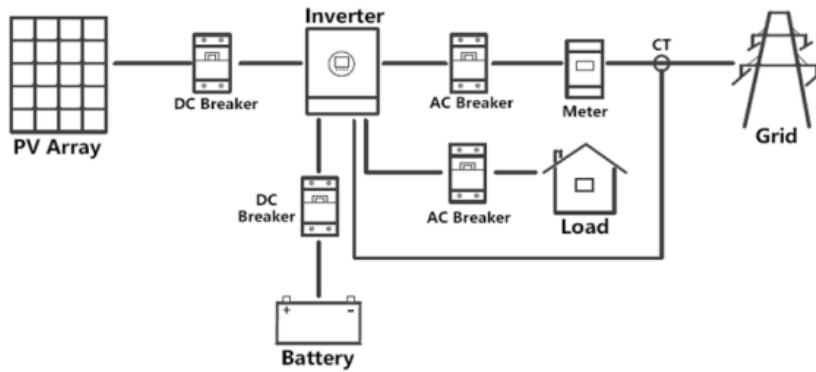


LFP48200-PF

**Technical Specifications**

MODE		LFP256100-PW	LFP256200-PW	LFP512100-PW	LFP512150-PW	LFP512200-PW	LFP512280-PW
Battery Pack Module	Rated Voltage	25.6V	25.6V	51.2V	51.2V	51.2V	51.2V
	Rated Capacity Ah	100Ah ±3%	200Ah±3%	100Ah±3%	150Ah±3%	200Ah±3%	280Ah±3%
	Rated Energy	2.56KWH	5.12KWH	5.12KWH	7.68KWH	10.24KWH	14.34KWH
	Cycle Life	6000 times @ 80% DOC.25 C					
	Design Life time	Over 10 years					
	DOD	> 95%					
	IP Grade	IP21, Indoor					
	Communication	RS485 / CAN communication interface to Inverter , RS485/RS4852 For Parallel Communication . Option					
	Parallel Connection	Max 18PCS, recommend 2-8 PCS, Reserved Address portal ( DIP Switch/ ADDR ). Option					
DC Output Connector	M8 bolt						
Display	LED	Standby/charge/discharge/fault/ Capacity					
	LCD	Cell/Pack Vdc/ Amp/ Ah/Temp , BMS Status and also Parallel and System set					
Protection Function		Over charge /Over Discharge/Over Temperature/ Over Current /Internal Short Circuit protection and Balance Modular and Cell Charge and discharge ( Option ), by Embedded BMS					
Battery Pack Charge/Discharge ( Base on Kemapower 3KW/24VDC 5KW/48VDC Inverter. Customizable by customer )	Recommended Charge Current	80A	80A	80A	80A	80A	80A
	Max. Continue Charge Current	100A	100A	100A	100A	100A	100A
	Recommended Charge Voltage	28.2V	28.2V	56.4V	56.4V	56.4V	56.4V
	Recommended Discharge Current	150A	150A	150A	150A	150A	150A
	Max. Continue Discharge Current	175Amp	175Amp	175Amp	175Amp	175Amp	175Amp
	Recommended Over Discharge Voltage	22.4V	22.4V	44.8V	44.8V	44.8V	44.8V
Battery Cell	Cell type	Prismatic, LiFePO4					
	Rated Capacity Ah	100Ah	100Ah/ 200Ah	100Ah	150Ah	100Ah / 200Ah	280Ah
	Rated voltage V	3.2V	3.2V	3.2V	3.2V	3.2V	3.2V
	Pack Connection	8S1P	8S2P or 8S1P	16S1P	16S1P	8S2P or 8S1P	16S1P
BMS Parameter (Customizable)	Charge method	CC To 3.65V, CV to 0.05C and then Cut off					
	Max Pulse Charge Current	120% * Max. continue Charge Current					
	Over charge Protection voltage	29.2V	29.2V	58.4V	58.4V	58.4V	58.4V
	Over Charge Voltage Return	27.6V	27.6V	55.2V	55.2V	55.2V	55.2V
	Max Pulse Discharge Protection Current	300% * Max. Continue Discharge Current					
	Over Discharge Protection Voltage	16A	16V	32V	32V	32V	32V
	Over Discharge Return Voltage	20V	20V	40V	40V	40V	40V
	Over current protection delay time	20 ±5 ms					
	Short protection delay time	200-600 us.					
Reset For BMS	yes. Included the RST switch. Wakeup function						
Battery Standard		IEC62619, CE, UN38.3, MSDS					
Installation		Wall/Ground,	Wall/Ground	Wall/Ground	Wall/Ground	Wall/Ground	Wall/Ground
Operation temperature		-20-60℃	-20-60℃	-20-60℃	-20-60℃	-20-60℃	-20-60℃
Storage Temperature		0-45℃	0-45℃	0-45℃	0-45℃	0-45℃	0-45℃
Product Size ( Around mm) Customizable		450*350*170	525*460*170	525*460*170	670*540*170	850*525*180	850*525*180
Product Weight ( Around Kg)		42	52	52	81	104	122
Package Size (mm)		570*460*500	645*550*500	645*550*500	760*670*500	985*645*500	985*645*500
Package weight (Kg)		62	71	71	99	131	151

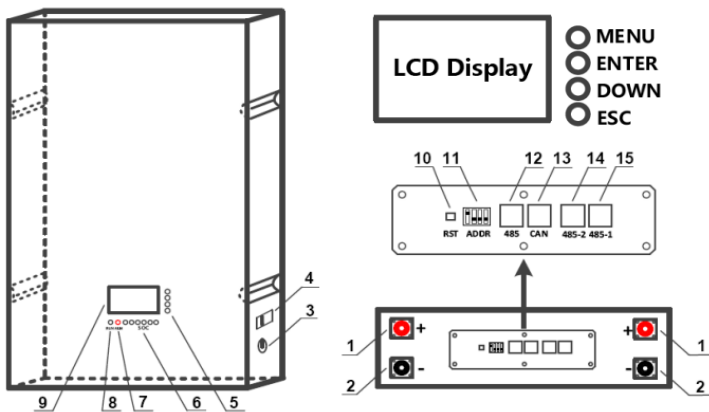
**System Diagram**



Base on ON/OFF GRID ENERGY STORAGE INVERTER.

15 years Experience to supply one stop solution. Fully consider the single battery pack may be safe under the condition of inverter bad overload, to provide a super large discharge current design. Welcome Customizable .

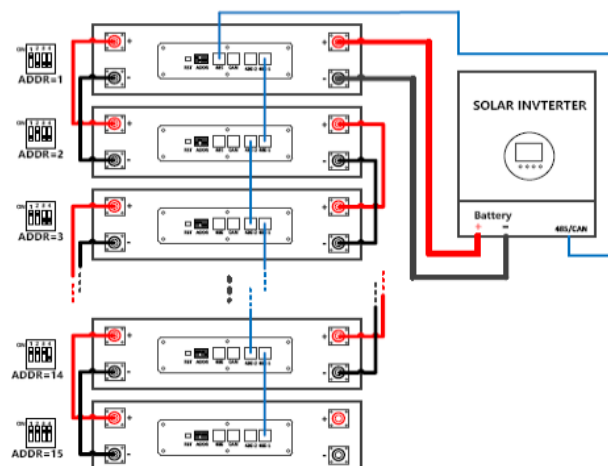
**Interface Introduction**



No.	Name	Silk-screen	Remark
1	Positive	+	M8 screw nut/Red
2	Negative	-	M8 screw nut/Black
3	Power button	ON/OFF	
4	Breaker	Breaker	Output breaker
5	LCD Key	/	
6	SOC LED	SOC	State of Charge
7	ALM LED	ALM	Operation indicator
8	RUN LED	RUN	Alarm indicator
9	LCD	/	Display of battery info.
10	Reset button	RST	Reset the BMS
11	DIP switch	ADDR	Set the battery address
12	RS485	485	Battery and inverter communication port
13	CAN	CAN	Battery and inverter communication port
14	RS485 parallel port	485-2	Parallel communication port
15	RS485 parallel port	485-1	Parallel communication port

Human layout, simple and clear, fully consider the needs of zero-based installation workers contact kemapower for details instruction manual

**Parallel Battery Pack**



Power and Communication Parallel ( Option Function )