

Energy Storage System Rack Mounted Series

LFP 5000B



FEATURES

-  **>6000**
Cycle Life@25°C
-  **Automatic Wake-up**
Under off-grid System Environment
-  **Smart BMS**
Intelligent management & maintenance of battery systems
-  **Remote Monitoring**
Real time monitoring of electricity usage and equipment operation
-  **Multiple Safety Protection**
Relay, DC Breaker
-  **New & Old Batteries can be used together**
Connect in Parallel
-  **Parallel & Series**
Adapting to series or parallel up to 16 pcs
-  **Voltage Balancing**
Voltage balancing between battery cells & battery pack

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Technical Specifications

Model		LFP 5000B
Total Energy*		5.1kWh
Usable Energy(DC)*		4.6kWh
Nominal Dis-/Charge Power		3.0kW
Peak Power(Only Discharge)		6kW for 3s
Voltage		48~56Vd.c
Nominal Voltage		51.2Vd.c
Peak Discharging Current		200A/10s
Nominal Current		60A
Max. Charge Voltage		57.6Vd.c
Weight		45kg
Dimension (L*W*H)		500*442*133mm
Max.Recommended DOD		90%
Operating Condition		Indoor
Operating Temperature	Charge	From 0~50 C
	Discharge	From -10~55 C
WIFI Frequency Range		2.4GHz
Recommended Humidity		< 60%(No condensed water)
Over Voltage Category		II
Cooling Type		Natural cooling
Case Material		Metal
Color		Black or White
Installation		Wall mounting/Ground Installation
IP Rating		IP 20
Protective Class		I
Max. Connection Number		16P/16S
Warranty		10 years
Communication		CAN/ RS485
Protection Mode		Dual hardware protection
Battery Protection		Over-current/Over-voltage/Short circuit/ Under-voltage/Over temperature
Safety		Cell UL 1973
		CE/TUV
Hazardous Material Classification		9
Transportation		UN 38.3

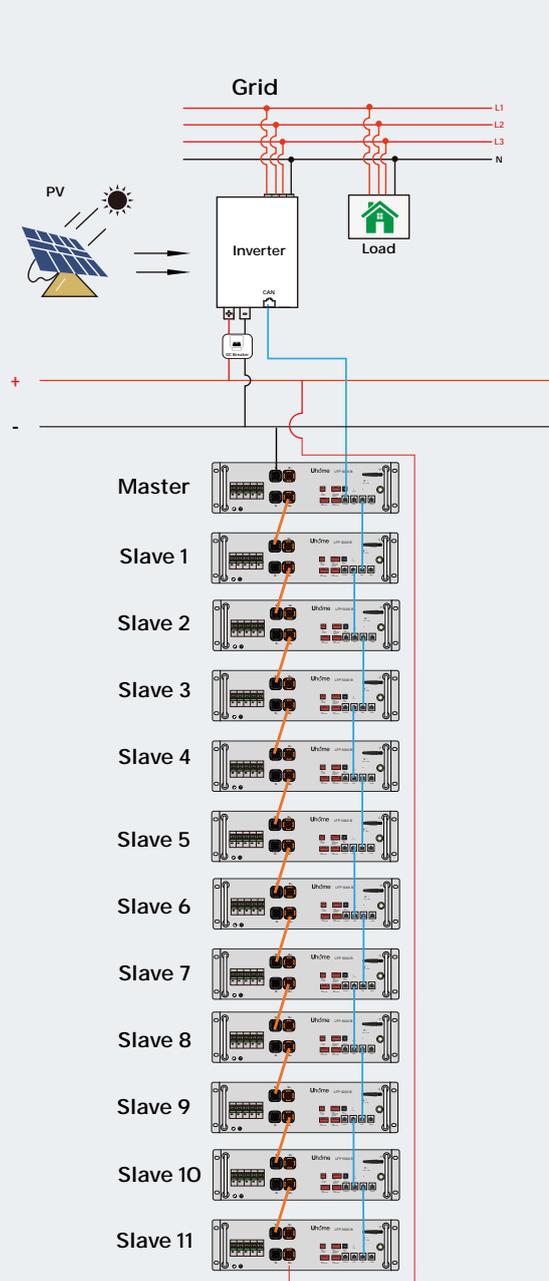
Testing conditions based on temperature 25 °C at the beginning of life.

*Total Energy/Usable Energy measured under specific conditions from Uhome 0.2C CC-CV

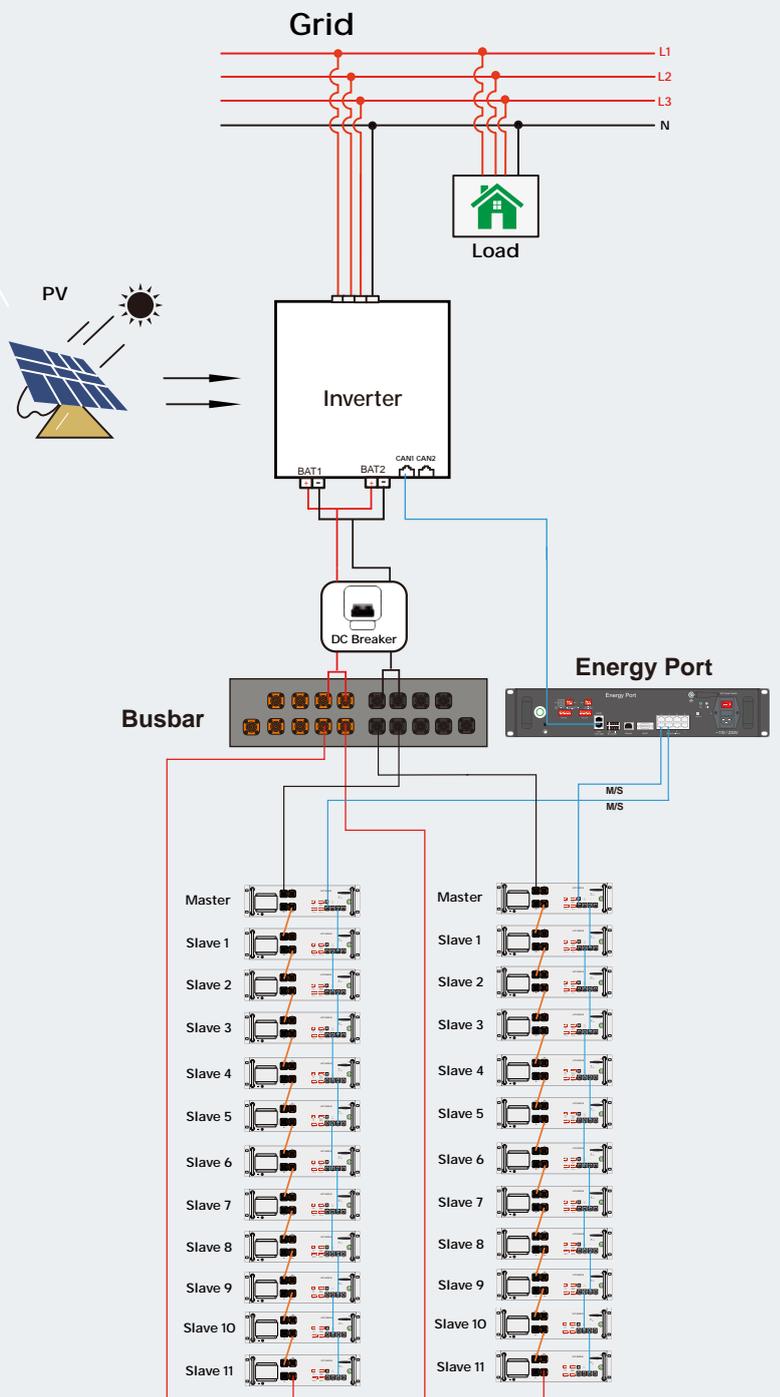
Typical Application Case

Reference Scheme	Compatible inverter brands
1P12S	DEYE\SOLINTEG\SOLIS\LuxPower\Afore\Growatt\Goodwe\Thinkpower\Sol-Ark\Hoymlies\AISWEI,etc. NOTE: The above are only examples of compatible inverters.
2P12S	
3P12S	

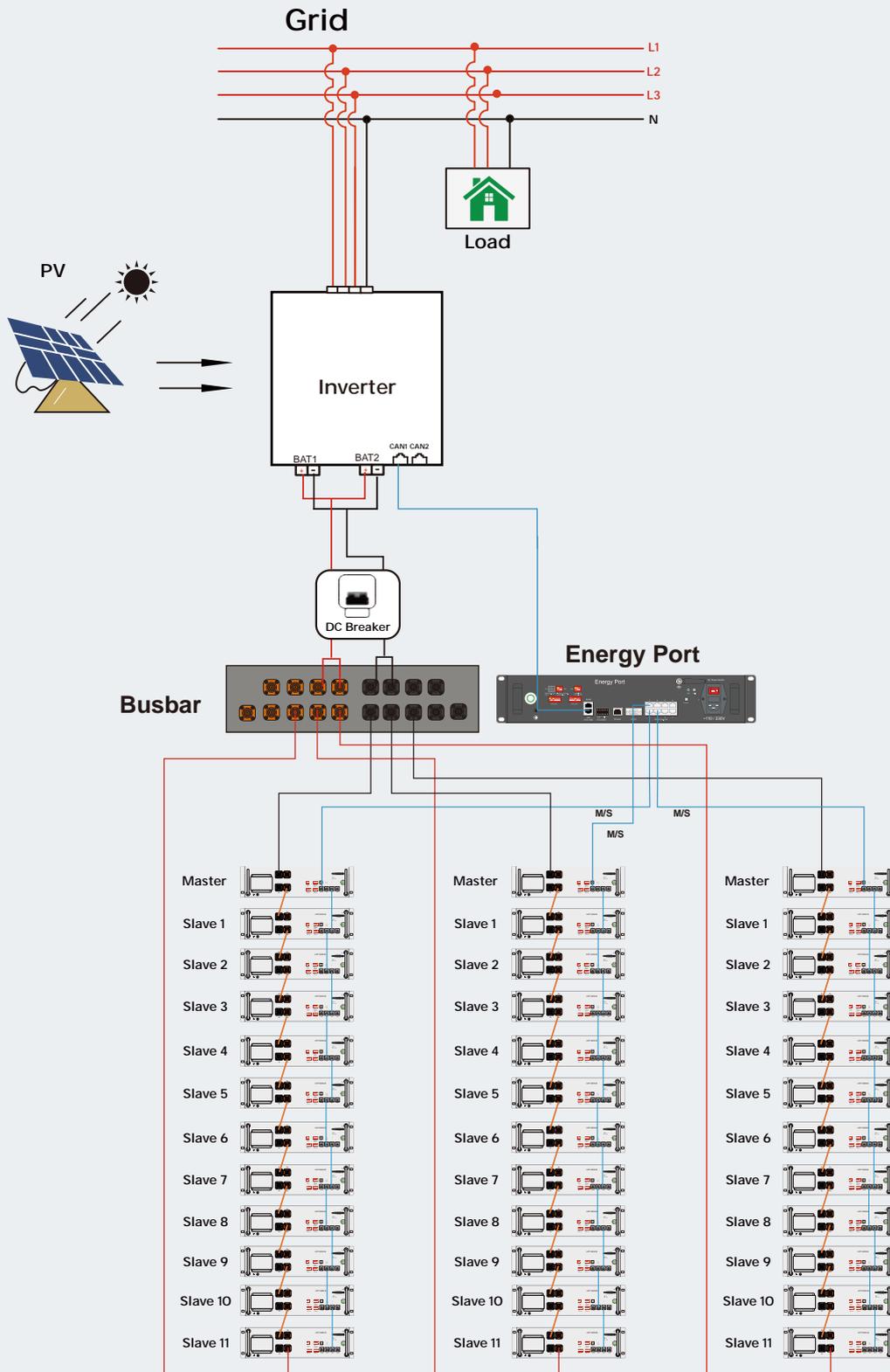
Scheme 1: 1P12S



Scheme 2: 2P12S

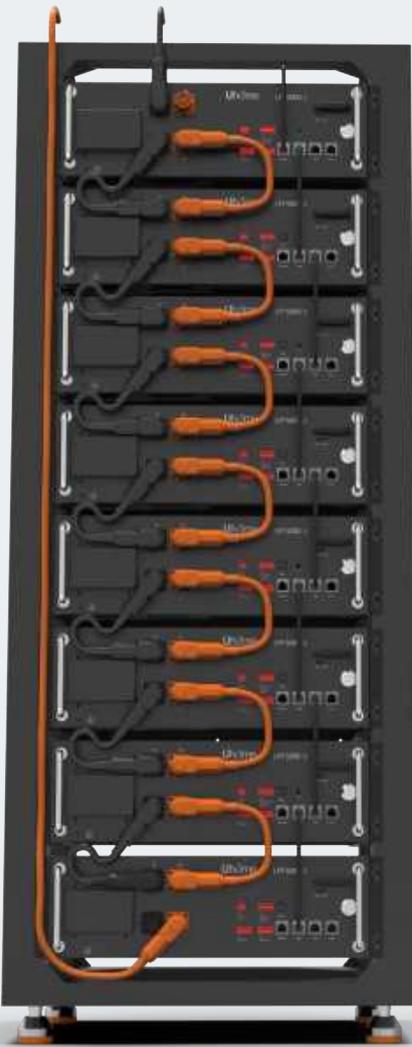


Typical Application Case



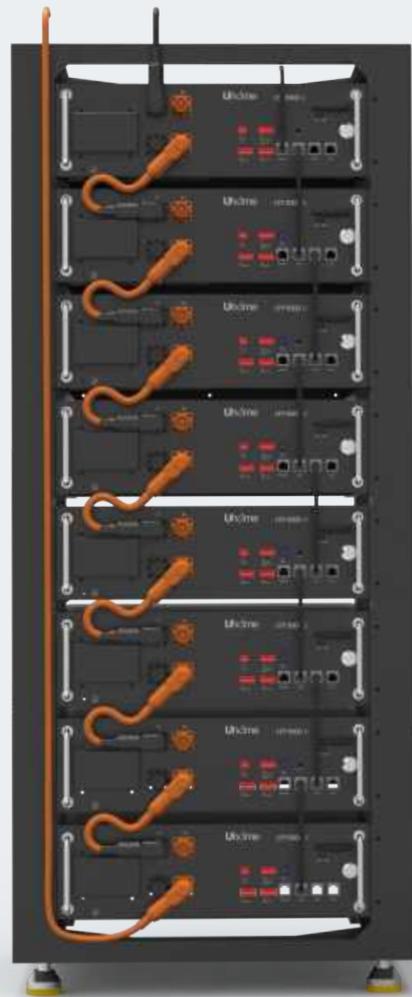
Wiring Diagram for Reference

Parallel Connection



MAX 16P

Series Connection



MAX 16S