

Energy Storage System
Rack Mounted Series

VOLT LUX

5000B



FEATURES

- >6000
Cycle Life@25°C
- Automatic Wake-up Function
Under off-grid System Environment
- Smart BMS
Self-developed BMS
- Remote Monitoring
Self-developed APP
- Multiple Safety Protection
Relay, DC Breaker
- New&Old Batteries can be used in together
Connect in Parallel
- Parallel&Series
Assemble freely in series or parallel Up to 16S/16P
- Voltage Balancing
Voltage balancing between battery cells&battery pack

Technical Specifications

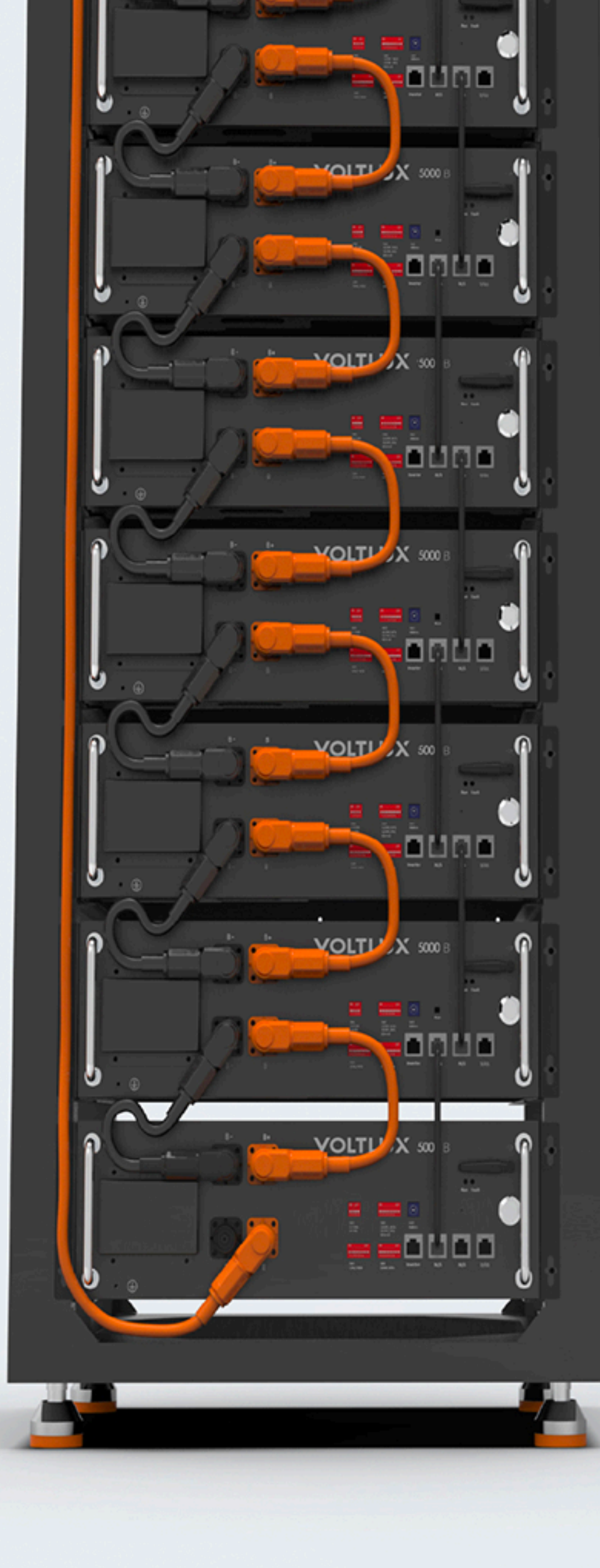
Model		5000B
Total Energy*		5.1kWh
Usable Energy(DC)*		4.6kWh
Nominal Dis-/Charge Power		3.0kW
Peak Power(Only Discharge)		6kW for 3s
Voltage		48~56Vd.c
Nominal Voltage		51.2Vd.c
Nominal Current		60A
Max. Charge Voltage		57.6Vd.c
Weight		45kg
Dimension(mm) (L*W*H)		500*442*133mm
Max.Recommended DOD		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 0.2C CC-CV

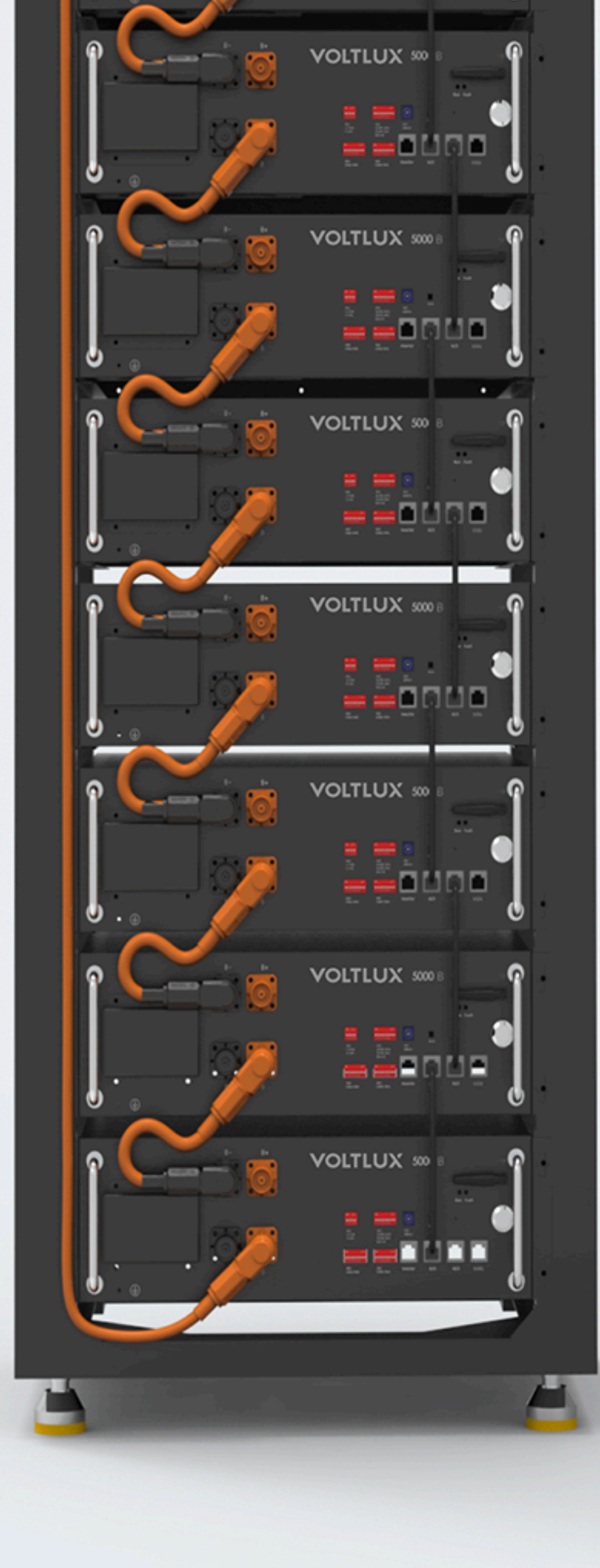
Wiring Diagram for Reference

Parallel Connection



MAX 16P

Series Connection



MAX 16S

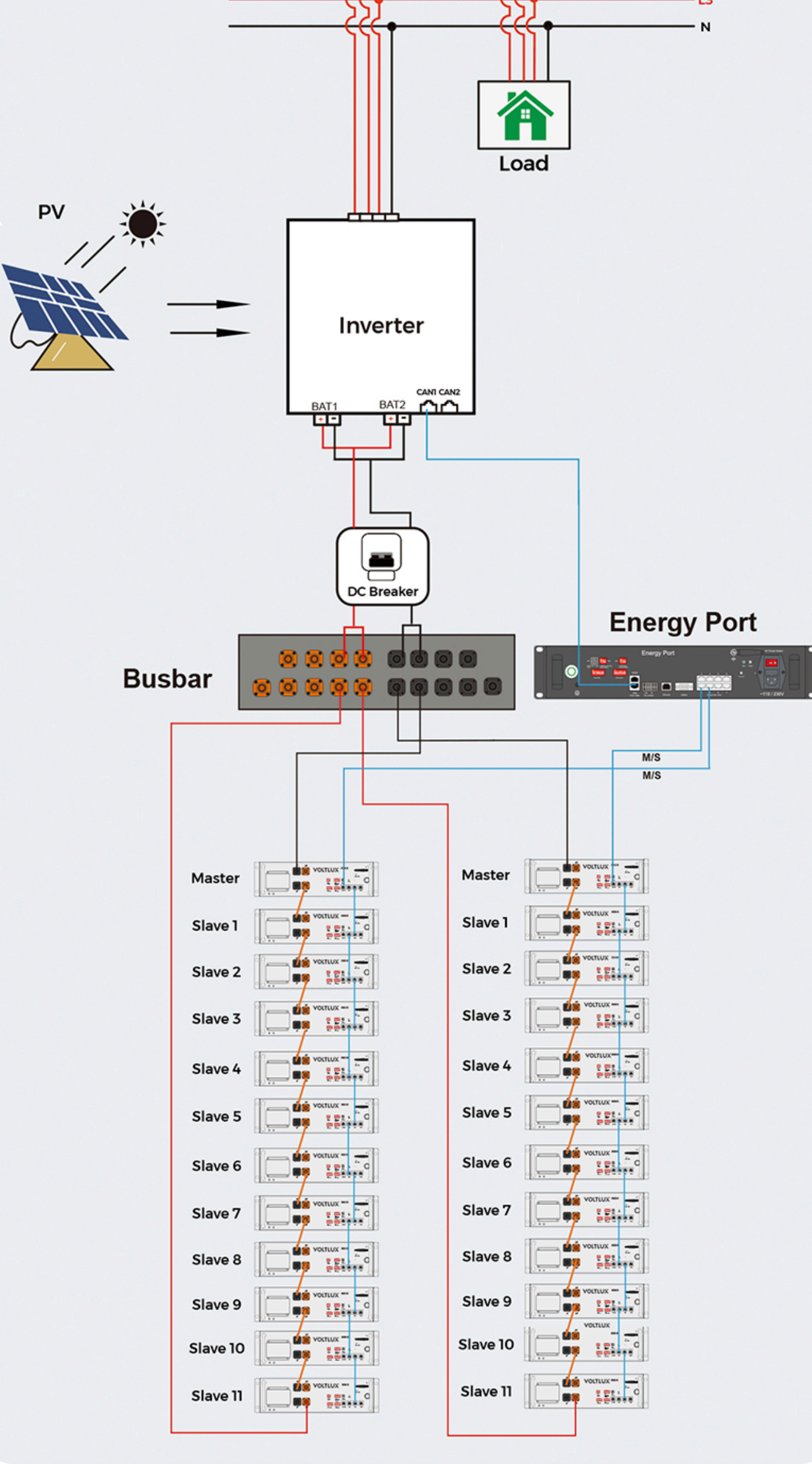
Typical Application Case

Reference Scheme	Compatible inverter brands
1P12S	DEYE\SOLINTEG\SOLIS\LuxPower\Afore\Growatt\Goodwe\Thinkpower\Sol-Ark\Hoymlies\AISWEI,etc. NOTE: The above are all examples, which can be adapted to more brands of inverters in practice.
2P12S	
3P12S	

Scheme 1: 1P12S



Scheme 2: 2P12S



Typical Application Case

