



Powerbox

ENERGY STORAGE SOLUTIONS

LiFePO4 chemistry battery with safe performance and longer cycle life, offering you various capacities to meet more of your requirements.

TUV Certified • CEC Accredited • IP65 Protection • Flexible Expansion

Features and Advantages



Tailor-made Cabinet

Suitable for
multit-module installation



Easy to Install

Plug and play



Expandable

Capacity up to 48kWh



High Safety

LFP & smart BMS



Wide Compatibility

Matching with leading
inverter brands



Wide temperature

Range of -20~55°C

Technical Parameters

Model	Powerbox			
Battery Type	LiFePO4			
System Model	F-2.5 1 Module	F-5.0 2 Modules	F-7.5 3 Modules	F-10.0 4 Modules
Module Number	1	2	3	4
Nominal Capacity	50Ah	100Ah	150Ah	200Ah
Nominal Battery Energy	2.4kWh	4.8kWh	7.2kWh	9.6kWh
Max Output Power	2.4kW	4.8kW	4.8kW	4.8kW
Net Weight	47kg	69kg	91kg	113kg
Nominal Voltage	48V			
Working Voltage	42-54V			
Dimension[W*D*H]	555*210*928mm			
Depth of Discharge	90%			
Charging Temp. Range	0~55°C			
Discharging Temp. Range	-20~55°C			
Communication	CAN/RS485			
Warranty	10 Years			
Warranty Document Supplied	Yes			
Calendar Life ^[1]	≥6000 Cycles			
Protection Level	IP65			
Expansion	Up to 5 units in parallel			
Color	White			
Alarms	Overcharge/Overdischarge/Overcurrent/ Overtemperature/Short Circuit			
Safe & Protection	Each system has smart BMS, breaker embedded in system			
Pros	Can be used in both off-grid and hybrid setups, compact design, modular expansion			
Compatible Inverters	Victron/SMA/Goodwe/Imeon/Solis/SAJ/ Growatt/Luxpower/Voltronic/Deye etc.			
Certification & Safety Standard	TUV/CE/EN62619/IEC62040/UN38.3/ CEC Accredited/UL1973/CEI-021			

[1]Test conditions:0.2C Charging/Discharging,@25°C,80% DOD