



Powerbox

ENERGY STORAGE SOLUTIONS

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

TUV Certified • IP65 Protection • Flexible Expansion

Features and advantages



Tailor-made Cabinet

Suitable for mult-module installation



Easy to Install

Plug and play



Expandable

Up to 40 units in parallel



High Safety

LFP & smart BMS



Wide Compatibility

Matching with leading inverter brands



Wide temperature

Range of -10~50°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
Depth of Discharge	90%	90%	90%	90%
Rated Charge/Discharge Power	1.2kW	2.4kW	3.6kW	4.8kW
Max Charge/Discharge Power	2.4kW	4.8kW	4.8kW	4.8kW
Net Weight	47kg	69kg	91kg	113kg
Nominal Voltage	48V			
Dimension[W*D*H]	555*210*928mm			
Working Voltage	42-54V			
Depth of Discharge	90%			
Charging Temp. Range	0~50°C			
Discharging Temp. Range	-10~50°C			
Communication	CAN/RS485			
Warranty	10 Years			
Warranty Document Supplied	Yes			
Calendar Life ^[1]	>6000 Cycles			
Protection Level	IP65			
Scalability	Up to 4 units Powerbox F 10.0 in parallel			
Color	White			
Alarms	Overcharge/Overdischarge/Overcurrent/ Overtemperature/Short Circuit			
Monitoring & 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