



# Powercube B3

## ENERGY STORAGE SOLUTIONS

LiFePO4 chemistry battery with safety 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



### Larger Capacity

More energy for  
long time use



### High Safety

LFP & smart BMS



### Wide Compatibility

Matching with leading  
inverter brands



### Wide Temperature Range

Range of -20~50°C

## Technical Parameters

Model	Powercube B3				
Battery Type	LiFePO4				
System Model	2B3 2 Module	3B3 3 Module	4B3 4 Module	5B3 5 Module	6B3 6 Module
Battery Capacity	150Ah	225Ah	300Ah	375Ah	450Ah
Nominal Battery Energy	7.2kWh	10.8kWh	14.4kWh	18kWh	21.6kWh
Max.Charge/Discharge Power	7.2kW	10.8kW	10.8kW	10.8kW	10.8kW
Max.Charge/Discharge Current	90A	135A	135A	135A	135A
Rated DC Power	3.6kW	5.4kW	7.2kW	9kW	10.8kW
Depth of Discharge	90%	90%	90%	90%	90%
Net Weight	119.5kg	150.5kg	181.5kg	212.5kg	243.5kg
Nominal Voltage	48V				
Dimension[W*D*H]	600*520*1140mm				
Working Voltage	42~54V				
Charging Temp. Range	0~50°C				
Discharging Temp. Range	-20~50°C				
Communication	CAN/RS485				
Warranty	10 Years				
Warranty Document Supplied	Yes				
Calendar Life <sup>[1]</sup>	≥6000 Cycles				
Protection Level	IP65				
Expansion	Up to 6 set Powercube 6B3 system 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/IEC62619/IEC62040/UN38.3/CEC Accredited				

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