

Dyness Powerbox

【Powerbox Plus】

Adopts LiFePO4 chemistry battery with safety performance and long life time, which offers you four capacities to meet your more requirements.

【Powerbox】

Adopts Li(NiCoMn)O2 battery with high energy density and light weight, 5kWh and 10kWh for your choice.



Features and advantages

- Compact Size & Light Weight
- High Power Output & Usable Energy Ratio
- Modular Design & Expandable System
- Safest Battery & Perfect Compatibility
- Natural cooling & Easy Installation
- Certifications Available



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SPECIFICATIONS

Model	Expandable System					
Battery Type	LiFePO4				Li (NiCoMn) O2	
Battery Module	1 Module	2 Modules	3 Modules	4 Modules	1Module	2 Modules
Nominal Battery Energy[kWh]	2.4	4.8	7.2	9.6	5	9.6
Max Output Power[kW]	2.4	4.8	7.2	9.6	5	9.6
Peak Output Current[Amp]	100,3mins	200,3mins	300,3mins	400,3mins	200,3mins	400,3mins
Net Weight of System[Kg]	47	69	91	113	51	80
Dimension of Cabinet[W x H x D,mm]	928 x 555 x 210					
Working Voltage[V]	40.5~54				39~54.6	
Operating Temperature Range[°C]	-20~ +60 with optional heater				-20~+50 with optional heater	
Calendar Life[Cycles]	6000					
Nominal Voltage[V]	48					
Enclosure Protection Range	IP65					
Communication	CAN/RS485					
Certification & Safety Standard	TUV/CE/IEC62619 /UN38.3/AS62040					
Scalability [kWh]	Up to 80					
Compatible Inverters	SOFAR, OMNIK, KSTAR, HUAWEI, SMA, GOODWE, GROWATT, More brands will be announced					
Warranty	8 years					
Warranty Document Supplied	Yes					
Color	White					
Alarm Connection	1) Battery operation 2) Out of battery 3) System fault					
Pros	Can be used in both off-grid and hybrid setups, compact size, modular expansion					
Monitoring&Protection	Each module has BMS					

[1]Test conditions: 0.2C discharge@+25°C



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