

# Dyness Powerbox F series –IP65

- Powerbox has **Stronger load carrying capacity.**

## Specification

Model	Powerbox			
Battery Type	LiFePO4			
Battery Module	F-2.5 1 Module	F-5.0 2 Modules	F-7.5 3 Modules	F-10.0 4 Modules
Battery Capacity [Ah]	50	100	150	200
Nominal Battery Energy [kWh]	2.4	4.8	7.2	9.6
Max Output Power [kW]	2.4	4.8	4.8	4.8
Net Weight [Kg]	47	69	91	113
Dimension [H*W*D, mm]	928*555*210			
Working Voltage [V]	40.5~54			
Operating Temp. Range [°C]	-20~50			
Calendar Life [Cycles] <sup>[1]</sup>	6000			
Nominal Voltage [V]	48			
Protection Level	IP65			
Communication	CAN / RS485 / DRY CONTACT			
Certification & Safety Standard	TUV/CE/EN62619/IEC62040/UN38.3/CEC Accredited			
Scalability [kWh]	Up to 4 units to parallel			
Compatible Inverters	Goodwe Victron Imeon Solis Luxpower Growatt GMDE Sofar Voltronic Deye More brands will be announced			
Warranty	10 Years			
Warranty Document Supplied	Yes			
Color	White			
Alarms	Overcharge Overdischarge Overcurrent Overtemperature Short Circuit			
Pros	Can be used in both off-grid and hybrid setups, compact design, modular expansion			
Monitoring & Protection	Each module has BMS, breaker embedded in system			

- Powerbox F series system has a larger charge and discharge power up to 1C charging/discharging rate, thus Powerbox system has a strong load carrying capacity. This situation is especially suitable for application scenarios with low battery capacity and high load power demand, which will reduce the customer's purchase cost.
- Powerbox F series built-in DC circuit breaker can protect the system from short circuit and can reduce costs.



**Powerbox F 10.0**  
With B4850 battery  
module inside



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



## Powerbox F series Case Study



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 Powerbox F series Case Study



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 **Case Study**



 Case Study



Address: Thailand

 Case Study



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 **Case Study**

**Address:** Saudi Arabia  
**Capacity:** 5kW/9.6kWh  
**Function:** Integrated renewable energy, back up power support



**Address:** Philippines  
**Capacity:** 5kW/9.6kWh  
**Function:** Integrated renewable energy





# Case Study



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