

Dyness Powerbox F series –IP65

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



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

Specification

Model		Powerbox					
Battery Type		LiFePO4					
Battery Module		F-2.5	1 Module	F-5.0	2 Modules	F-7.5	3 Modules
Battery Capacity [Ah]		50		100		150	
Nominal Battery Energy [kWh]		2.4		4.8		7.2	
Max Output Power [kW]		2.4		4.8		4.8	
Net Weight [Kg]		47		69		91	
Dimension [H*W*D, mm]		928*555*210					
Working Voltage [V]		40.5~54					
Operating Temp. Range [°C]		-20~50					
Calendar Life [Cycles] ^[1]		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					

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

- 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 series Case Study

' J JX: K Y YY ZX G R O G
) G VGI O ZQ = Q = N
, [TIZOUT / TZ KMXG Z
 KTKX M _

' J JX: K Y YY ZX G R O G
) G VGI O ZQ = Q = N
, [TIZOUT 6 GQ 9 NOL

DYNESS



Powerbox F series Case Study



Address :) G S H U J O G

) G V G I u O Z O = O = N

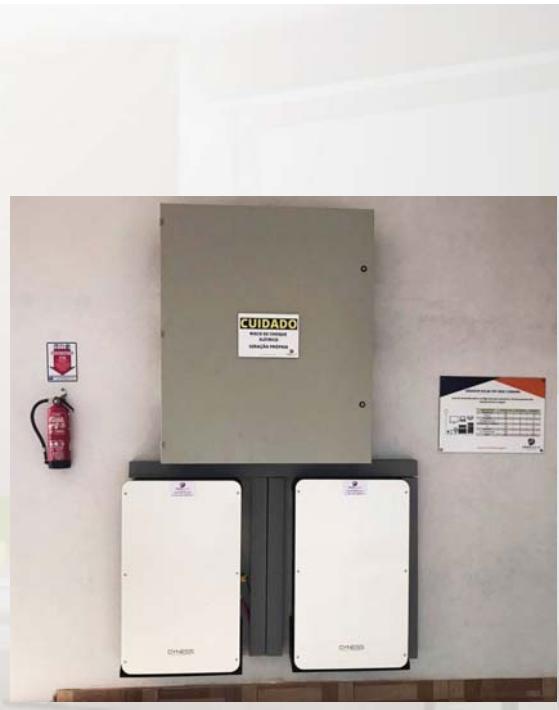
' J J X K Y N K) ' K IN 8 K V [H R O T J J X K , Y X Y K T I N

) G V G I u O Z O = O = N

) G V G I u O Z O = O = N



Case Study





Case Study



Address: Thailand



Case Study





Case Study

Address: Saudi Arabia

Capacity: 5kW/9.6kWh

Function: Integrated renewable energy, back up power support





Case Study



Address: 9 U [ZN ' L X O I G

) G VGI O Z _Q = Q = N

, [T I Z O U T / T Z K M X G Z K J X K T K] G H R K

' J JX:K 9 Y [ZN ' L X O I G
) G VGI O Z _Q = Q = N
, [T I Z O U T / T Z K M X G Z K J X K T K] G H R K
 9 SGR R I US S KX I O GR VU] K X H G I O [V Y _ Y Z K S



) G VGI O Z _Q = Q = N

, [T I Z O U T / T Z K M X G Z K J X K T K] G H R K



' J JX:K 9 Y [ZN ' L X O

) G VGI O Z _Q =

, [T I Z O U T / T Z K M X G Z K J X K T K] G H R K