

# BX51 100



Safe and Reliable ▪ Higher Efficiency ▪ Floor and Wall Mount ▪ Flexible Size  
Dyess Bx51100 adopt economic design, is tailor made for residential and light commercial.

## Features and advantages

- LiFePO4 battery, Safe, Longer life span
- Modular design, Easy to stack, Quick installation
- Larger energy capacity
- Natural cooling with optional heat/fan configuration
- Wide temperature range of -20~50°C
- OTA Function: Remote monitoring and upgrade(Requires optional WiFi stick)



## SPECIFICATION

Model	BX51100
Module Type	LFP
Nominal Voltage [V]	51.2
Work Voltage Range [V]	44.8~57.6
Nominal Capacity [Ah]	100
Nominal Energy [KWh]	5.12
Recommended Charge/Discharge Current [A]	50
Max.Power Charge/Discharge Current [A]	75
Peak Power Charge/Discharge Current [A]	100(15s)
Charge Voltage (Vdc)	56~57.6
Communication port	CAN/ RS485/ RS232
Max.Dimension [mm]	558(L)*545(W)*150(H)
Weight [kg]	≈50
Discharge condition [°C]	-20~50
Charge condition [°C]	0~50
Max. Discharge Power [kW]	3.84
Enclosure Protection (IP)	IP20
Warranty	5 / 10 years
Calendar Life <sup>(1)</sup>	6000 Cycles
Certification & Safety Standard	TUV/CE/IEC62619/UN38.3
Compatible Inverters	Goodwe Victron Imeon Solis Luxpower Growatt GMDE Sofar Voltronic Deye More brands will be announced
Pros	Can be used in both off-grid and hybrid setups, compact design, floor or wall mount
Monitoring & Protection Configuration	Each system has intelligent BMS, and breaker embedded in system 40 modules parallel at most

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