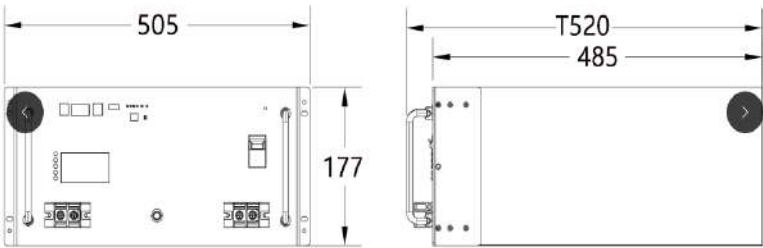




LITHIUM IRON PHOSPHATE ENERGY STORAGE BATTERY

MODEL: JXLFP100-51.2**NO:**

Container Color		Plane Chart:		4U	
	PANTONE				
		Black C			
		Black C			
	Terminal type				1In2Out
	100 A	BMS			
	20241027	Time			
					
Function	(YES) Digital Display	(NO) Bluetooth	Product Size: T520*485*505*177mm		

Parameter Chart:

Rated Voltage	51.2	V
Rated Capacity(25°C)	100	Ah
Series & Parallels	16 ~ 1	S/P
Voltage Range	40 ~ 58.4	V
Rated Energy	5120	Wh
Maximum Discharge Current	100	A
Maximum Charge Current	100	A
Discharge cut-off voltage	≥ 40	V
Charge voltage	58.4	V
Cycle life(@25°C ,100%DOD)	≥ 4000	Cycle
Float Voltage	54.4 ~ 55.2	V
Operating humidity	60 ± 25%	R.H.
Certified	CE/UN38.3	
Communication	RS485/CAN/RS232	
Total Weight	Approx. 45.00 ± 2.00	Kg
Operating temperature	Charging 0 ~ 45°C Discharging -20 ~ 55°C	

Long-term Storage

After the battery is charged, it should be used as soon as possible to avoid loss of usable capacity due to self-discharge.

If storage is required, the battery needs to be stored in a low SOC state. The recommended storage conditions are: 20%~40%SOC, 0°C~35°C, relative humidity ≤60%.

Constant Current Discharge Characteristics (A, 25°C)

Time(h)	1.00	2.00	4.00	5.00	8.00	10.00	15.00	20.00
Current (A)	100.00	50.00	25.00	20.00	12.50	10.00	6.67	5.00

Constant Power Discharge Characteristics (Watt, 25°C)

Time(h)	1.00	2.00	4.00	5.00	8.00	10.00	15.00	20.00
Watt (W)	5120.0	2560.0	1280.0	1024.0	640.0	512.0	341.3	256.0

Capacity Factors With Different Temperature

Discharge	-20	-10	0	10	20	25	30	40	50	55	60
	≥55	≥70	≥90	≥95	≥100	≥100	≥100	≥98	≥97	≥95	≥93

Matters needing attention

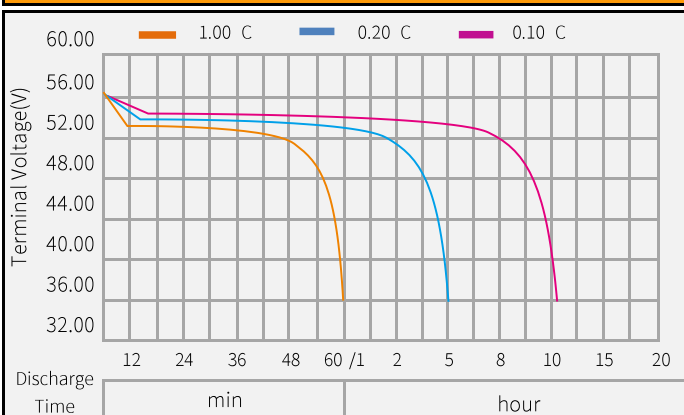
★ The above parameters are for reference only. The accurate parameters shall be based on the actual production order.

★ During usage, it is strictly prohibited to reverse the positive and negative terminals of the battery.

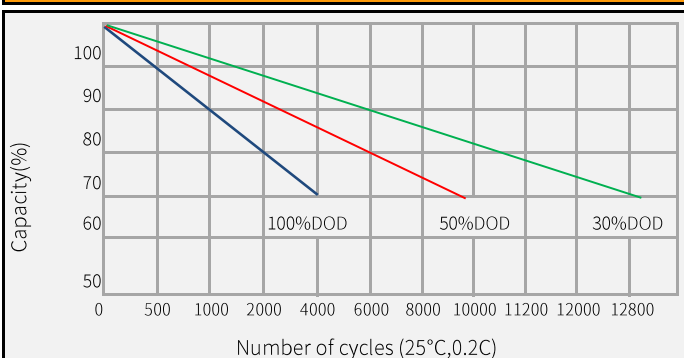
★ Please use a special charger for lithium-ion batteries when charging.

★ If series or parallel connection is required, please consult the agent or manufacturer.

Discharge Current 25°C



Cycle service life in relation to the depth of discharge



Charge and Discharge at 25°C, 0.2C

