



PERFORMANCE SPECIFICATIONS

GENERAL INFORMATION

Nominal Voltage	51.2 Vdc
Nominal Capacity	440 Ah
Nominal Energy	22528 Wh
Battery Chemistry	3.2V LiFePO ⁴
Cell Connectivity	16S2P
Efficiency (Round Trip)	≥98%
Self-Discharge Rate	<3% Monthly
Max. In Parallel	16 Pcs
Max. In Series	Not Allowed
Cycle Life 0.2C, 25°C @80% DoD	8000 Cycles
Origin	Shenzhen, China
BMS Build-in	Yes
Design Life	20 Years



BMS PROTECTION CHARACTERISTICS

Primary Charging	Current: 205A	DelayTime:20s
Second Charging	Current: 210A	DelayTime:1s
Primary Discharging	Current: 205A	DelayTime:10s
Second Discharging	Current: 250A	DelayTime:1s
Over-Charge Voltage	Voltage: 58.4V	DelayTime:1~2s
Over-Discharge Voltage	Voltage: 40V	DelayTime:1~2s
Temperature	PCB Temperature ≥ 95°C Recover ≤ 85°C	
Communication Port	RS485, Optional For CAN/Dry Contact	



Celule EVE
Grade A 220Ah
16S2P



BMS JK
JK-PB2A16S20P V19



Protecție IP65



Modul Stingere
incendiu
cu aerosol incorporat



8000 Cycles
0.2C, 25°C @80% DoD



BUREAU
VERITAS



Încălzire
încorporată



Bluetooth(App)
Yes



20 Years
Design Life



OPERATING PARAMETERS

Operating Voltage Range	44.8V-57.6V
Discharge Cut-Off Voltage	40V
Max. Discharge Current	200A
Peak Discharge Current	250A (3s)
Max. Charge Voltage	58.4V
Standard Charge	88A (0.2C)



ENVIROMENTAL SPECIFICATIONS

Discharge Temperature	-20°C ~ 55°C
Charge Temperature	0°C ~ 55°C
Storage Temperature	-10°C ~ 30°C
Ingress Rating	IP65



MECHANICAL SPECIFICATIONS

Dimensions (L*W*H)	680*700*263 mm
Weight	160 Kg
Mounting Options	Wall/Mobile
Indicator State	ALM/RUN/SoC



OTHERS

Screen	No
Terminals	Magnetic Plug-In
Case Material	SPCC Steel
Air Breaker	Yes
Heating	Yes
Bluetooth(App)	Yes



CONSTANT CURRENT DISCHARGE DATA (AMPERES @ 25°C))



ECOBATEnergy

Discharge Time	1h	2h	3h	4h	5h	10h	20h
Cut-Off Voltage (40V)	---	220A	146.6A	110A	88A	44A	22A



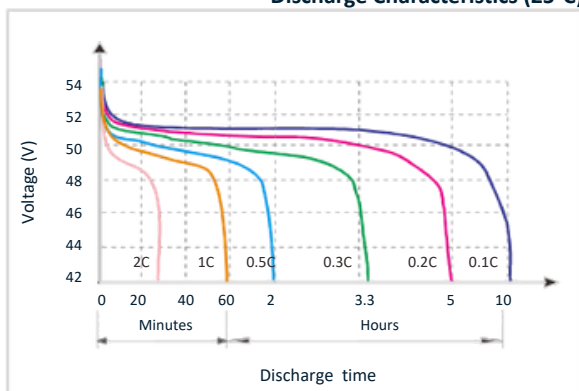
CONSTANT POWER DISCHARGE DATA (WATTS @ 25°C))

Discharge Time	1h	2h	3h	4h	5h	10h	20h
Cut-Off Voltage (40V)	---	11264W	7509.3 W	5632W	4505.6 W	2252.8 W	1126.4W

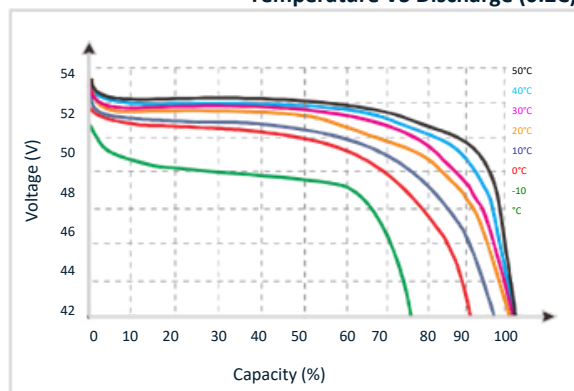


TESTING REPORT CURVE

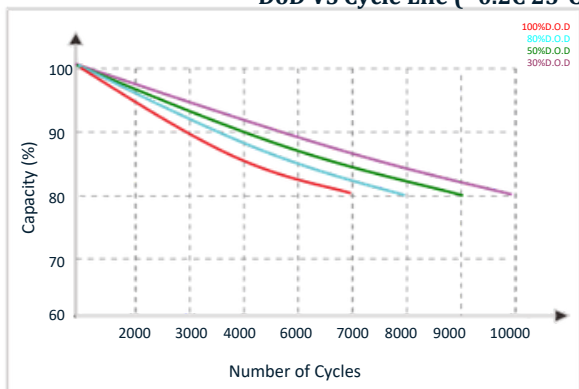
Discharge Characteristics (25°C)



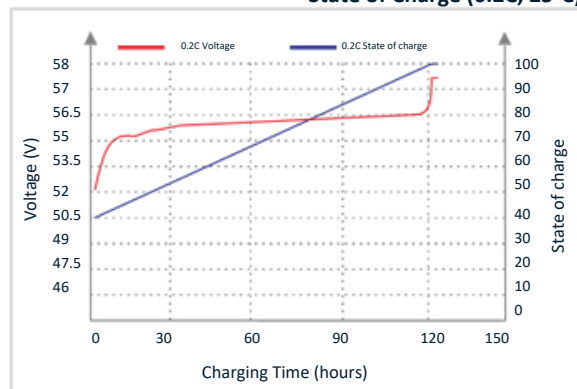
Temperature VS Discharge (0.2C)



DoD VS Cycle Life (0.2C 25°C)



State of Charge (0.2C, 25°C)



NOTES

Note 1. The recommended storage temperature is 20°C to 30°C, battery life would be reduced if stored at high temperature (The recharging interval should be 12 months under the condition of storage temperature < 30°C, and 8 months under the condition of 30°C < storage temperature < 40°C).

Note 2. Affected by the external environment factors, such as temperature and duration of transportation and storage, the rated capacity may fluctuate by ±5%.

