PvPOWER.CO.ZA
Everything Solar

VOLTA



DOD 80%
6000 cycles at 80% DOD

1C/1C
1C/1C continual charge and discharge

5
5 years standard warranty

Superior LiFePO4 safety performance

Low voltage safety connection

MAX 8
Max. 8 modules parallel

Features:

Two Mounting Methods:

1 Wall Mounted With Wall Bracket

2 Floor Standing With Detachable Floor Bracket

Compatible With Multiple Inverter Brands

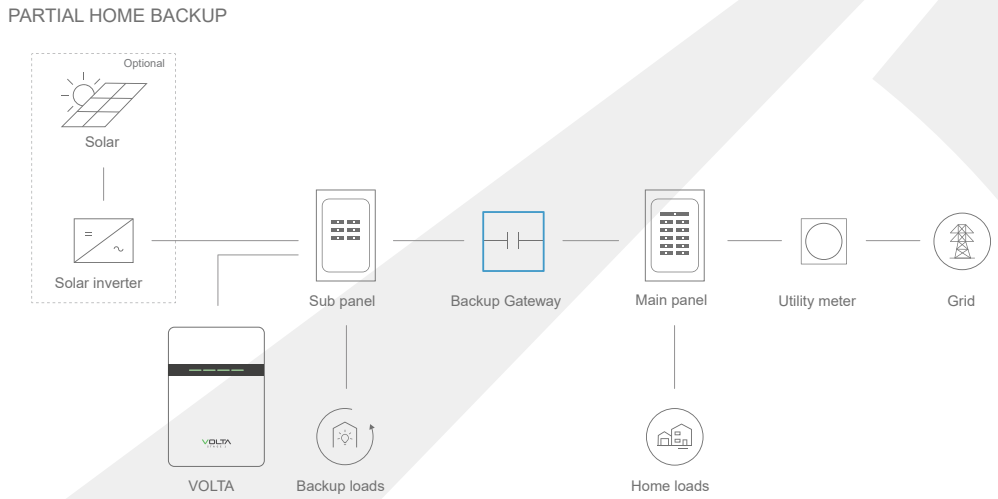
VOLTA's battery BMS supports simultaneous communication and compatible with multiple inverter brands

Voltronic Power Advancing Power
victron energy
Growatt
Deye 德業®
SMA
LUXPOWER TEK
phocos

51.2V Wall Mounted LiFePO4 Battery

5KWH 7.5KWH 10KWH

VOLTA



Parameters

Product Model	VOLTA STAGE 1	VOLTA STAGE 2	VOLTA STAGE 3
Nominal Energy	5KWH	7.5KWH	10KWH
Nominal Voltage	51.2V	51.2V	51.2V
Nominal Capacity	100Ah	150Ah	200Ah
Cell Type	LFP	LFP	LFP
Standard Charge Voltage	56V	56V	56V
Max Discharge Current	100A	150A	150A
Discharge Cut-Off Voltage	44.8V	44.8V	44.8V
Parallels Function	Support 8 Units In Parallels		
Communication Interface	RS485、RS232、CAN (Optional)		
Cycle Life *	≥6000 Cycles (80%DOD)		
Charge temperature range	0~65℃		
Discharge temperature range	-20~65℃		
Certification	MSDS / UN38.3		
Dimensions	480*600*150mm	480*650*180mm	480*650*225mm
Weight	58Kg	85Kg	93Kg
Installation method	Wall Mounted/Floor Standing		
Warranty	5 Years		

*Test Condition: 80% DOD, 0.2C charge & discharge @25℃

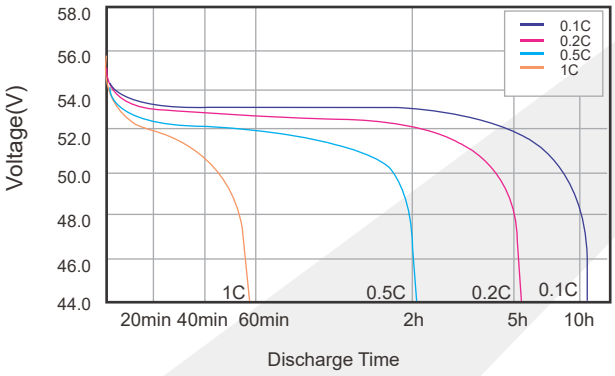
51.2V Wall Mounted LiFePO4 Battery

5KWH 7.5KWH 10KWH

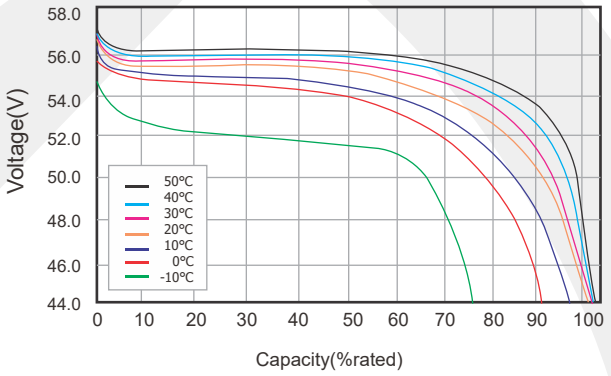
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Different current/Temperature Discharge curves

Different Rate Discharge Curve @25℃

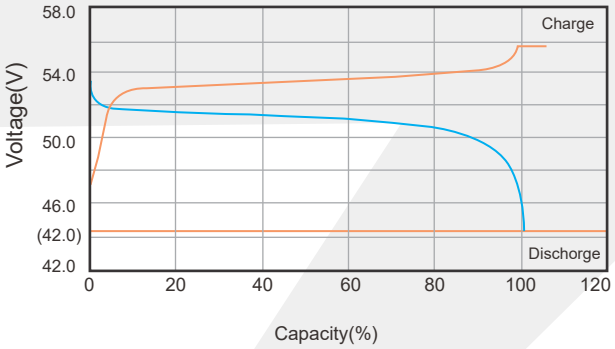


Different Temperature Discharge Curve @0.5C

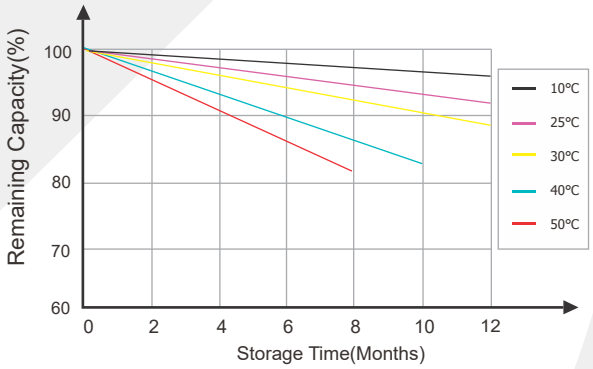


Charging and Discharge curve

Charge and Discharge at 25℃,0.5C

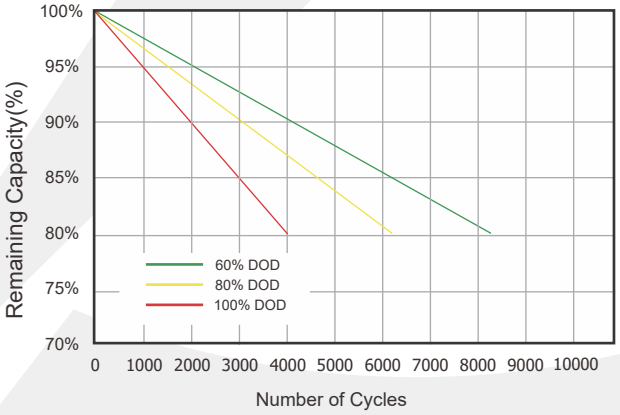


Different Temperature Self Discharge Curve



Cycle Life Curve

Different Discharge Depth Life Curves & 25℃,0.5C



Different Discharge Depth Life Curves & 40℃,0.5C

