



BLACK DRAGON INVERTER

Data sheet



BDS BATTERY

5
Years warranty

6000
Cycles



**Highest Cost
Performance**

51.2 V BDS BATTERY

Wall mounted Lithium battery (BDS Battery) solutions are highly integrated, deep cycle backup power solutions for your solar home energy storage system. With rich experience and advanced techniques, the product has the features of the fashionable design, high energy, high power density, long service life, and easiness of installation and expansion.

*TOUCHABLE SCREEN, **6000** TIMES, - **5**-YEAR WARRANTY, DISCOUNTED PRICE, NEW BATTERY CELLS



High cycle life

6000 cycles @ 80% DOD, 25°C for effectively lower total of ownership cost.



Warranty Year

5-year warranty, new battery cells.



Longer service life

Low maintenance batteries with stable chemistry.



Extreme heat tolerance

Suitable for use in a wider range of applications where ambient temperature is unusually high: up to +60°C.



Built in circuit protection

Battery Management System (BMS) is incorporated against abuse.



Lightweight

Lithium batteries provide more Wh/Kg while also being up to 1/3 the weight of its SLA equivalent.



Better storage

Up to 6 months thanks to its extremely low self discharge (LSD) rate and no risk of sulphation.




Function

Support parallel operation



LITHIUM IRON PHOSPHATE BATTERY

Specification

MODEL		GSPW51.2-50AHLCD	GSPW51.2-100AHLCD	GSPW51.2-150AHLCD	GSPW51.2-200AHLCD	GSPW51.2-300AHLCD	
	Nominal Voltage	51.2V					
	Nominal Capacity	50Ah	100Ah	150Ah	200Ah	300Ah	
	Nominal energy	2.56KWh	5.12KWh	7.68KWh	10.24KWh	15.36KWh	
	Life Cycles	6000cycles @ 80% DOD, 25°C					
	Recommended Charge Voltage	58.4V					
	Recommended Charge Current	25A	50A	75A	100A	150A	
	End Of Discharge Voltage	40V					
	Standard Method	Charge	25A	50A	75A	100A	150A
		Discharge	25A	50A	75A	100A	150A
	Maximum Continuous Current	Charge	50A	100A	150A	200A	200A
		Discharge	50A	100A	150A	200A	200A
	BMS Cut-Off Voltage	Charge	58.4 V (3.65V/Cell)				
		Discharge	40.0V (2s) (2.5V/Cell)				
	Temperature	Charge	-4 ~ 113 °F (0 ~ 45°C)				
		Discharge	-4 ~ 131 °F (-20 ~ 55 °C)				
	Storage Temperature	23~95 °F (-5~35°C)					
	Shipment voltage	≥51.2V					
	Module Parallel	Up to 15 units					
	Communication	CAN2.0/RS232/RS485					
	Case Material	SPPC					
Machine size(L x W x H)	530 x 420 x 200	600 x 450 x 200	730 x580 x 240	730 x580 x 240	860 x580 x 270		
	mm	mm	mm	mm	mm		
Package size(L x W x H)	610 x 470 x 360	670x 490 x360	810x 620x400	810x 620x400	940 x 620x 420		
Net weight	37kg	48kg	88kg	88kg	116kg		
Gross weight	47kg	58kg	103kg	103kg	133kg		
Charge Retention And Capacity Recovery Capability							

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FOR A BRIGHTER FUTURE



Block 1, Khartoum
North, Sudan



+249100038383



info@black-dragon.net



black-dragon.net