

LUMINOUS

Deep Cycle Lithium Battery

Maintenance-Free Lithium Upgrade



Range - 100AH-300AH



HIGH CYCLE LIFE

3000 cycles, low cost



WIDE TEMPERATURE RANGE

Operates up to 60°C



BUILT-IN BMS PROTECTION

Over charge/discharge protection



STEADY OUTPUT VOLTAGE

Shock, vibration resistant



LIGHT WEIGHT

High energy density

TECHNICAL SPECIFICATION

Model	Electrical specification	12.8V 100AH	12.8V 150AH	12.8V 200AH	12.8V 300AH	25.6V 100AH	25.6V 200AH
Nominal voltage(V)		12.8V				25.6V	
Nominal capacity(Ah)		100Ah	150Ah	200Ah	300Ah	100Ah	200Ah
Capacity @20A (HR)		5HR	7.5HR	10HR	15HR	5HR	10HR
Energy(WH)		1280WH	1920WH	2560WH	3840WH	2560WH	5120WH
Resistance		≤20mΩ					
Efficiency		99%					
Self discharge		<3% per month					
Discharge specification							
Recommended discharge current		50A	75A	100A	150A	50A	100A
Max. discharge current(A)		100A	150A	200A	200A	100A	200A
Discharge cut-off voltage(V)		10.8V				21.6V	
Charge specification							
Recommended charge current(A)		20A	30A	40A	60A	20A	40A
Max. charge current(A)		100A	150A	200A	200A	100A	200A
Max charge voltage(V)		14.6V				29.2V	
Charge current (-20 to -10°C)		≤0.05 C					
Mechanical specification							
Dimensions(L*W*H)(mm)		260x168x211	484x168x240		384x194x255	484x168x240	520x267x220
Net/Gross Weight(kg)		10/10.7	16.5/17.2	19.6/20.5	26/27	19.6/20.5	39.2/40.5
Terminal type		M8 Screw					
Case material		ABS case					
Enclosure protection		IP20					
Cell type		Square Aluminum Case					
Display		LCD (Optional)					
Temperature specification							
Discharge temperature		-20 to 60°C					
Charge temperature		0 to 55°C					
Storage temperature		-20 to 45°C					
BMS High temperature		80°C					
Reconnect temperature		50°C					
Certificates		UN38.3, MSDS					

*Due to continuous product improvement, the specifications and product design are subject to change without notice.

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