Li-ion Battery Series
L1208

L1208

Long Cycle Life: Provides up to 20 times longer cycle life and 5 times longer float/service life than lead acid, battery help to minimize replacement costs and reduce total cost of ownership.

Smaller Footprint: Better gravimetric/volumetric specific energy up to 3 times compare with lead acid battery.

More Available Energy: Deliver twice energy of the lead acid battery, when discharged with heavy load.

Superior Safety: Build-in BMS——Eliminates the risk of explosion or combustion due to high impact, overcharging or short circuit situation with safe lithium iron phosphate chemistry.

Fully compatible: Design to replace VRLA battery, compatible with conventional lead acid powered system

↘ Technical Parameters

Nominal Voltage (V)	12.8
Nominal Capacity (Ah)	8
Total Energy (Wh)	102.4
End Charge Voltage (V)	14.6
Discharge Cut-off Voltage (V)	10
Float Charge Voltage (V)	13.8
Standard Charge/Discharge Current (A)	4 CH / 8 DCH
Max. Charge/Discharge Current (A)	8 CH / 10 DCH
Peak Output Current (A)	15@60s
Lithium Chemistry	$LiFePO_4$
Cycle Life	6000 @ 0.5C 80% DOD
Design Life	20 years
Scalability	2P or 2S

↘ Mechinical Specifications

Dimension (mm)	W151 * D65 * H94
Weight (kg)	Approx. 1
Communication	/
Ingress Rating	IP 65
Safety Standards	UN38.3, CE

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↘ Environmental Specifications

Storage Temperature (℃)	–20 ~ 55
Operating Temperature Charge (℃)	0 ~ 55
Operating Temperature Discharge (℃)	–20 ~ 60
Operating Relative Humidity	5 ~ 95%

↘ Operating Performance

Different Temperature Self Discharge Curve
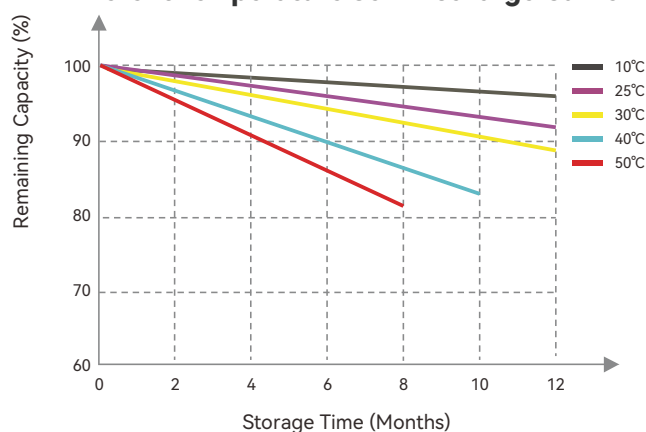
Different DOD Discharge Cycle Life Curve (0.5C)
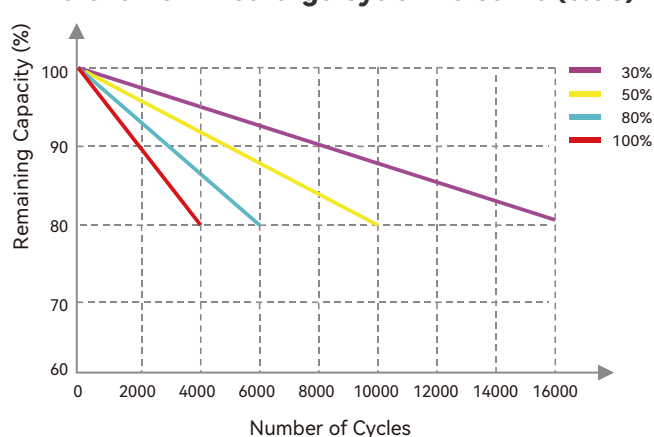
Notes:

Battery should be kept in a dry and ventilated place , avoid direct contact with corrosive substances, also away from sources of fire and heat. Keep the SOC of the battery above 50% if you need to store it for an extended long period. It should be refresh charged every 3 months regularly and SOC should be maintained at about 50% if battery will be stored for a long term.

↘ Applications

E Sliding Gate   Electric Toy   UPS   Solar Street Light   Renewable Energy   Medical Equipment

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