12V Series All-Purpose Lithium Ion Batteries



KEY FEATURES

Auto-Balance

Connects multiple batteries in parallel safely without internal state non-uniformity issues.

Ultra-Safety

The battery management system (BMS) provides comprehensive protection to the battery and manages the charging/discharging process wisely.

Uncompromising Quality

State-of-the-art battery cells ensure a lifespan of more than 4500 cycles, 100A/module continuous discharge current, and a wide range of operation temperature.

Communication

CAN, RS485, Bluetooth, Dry Contact enable data transmission to meet the needs of different usage scenarios.

The RT 12V Series battery is an all-purpose lithium-ion battery module developed with a cutting-edge LFP (Lithium Iron Phosphate) cell, embedded BMS (Battery Management System), and robust mechanical design that provides inherent safety, extremely high reliability, and zero maintenance.

The RT 12V Series battery's built-in heating film technology performs at temperatures as low as -40 °C. The module weight less than half of the same capacity lead-acid battery, providing superior performance in cold weather while saving weight.

200%

Twice the power of tranditional batteries

40% 40% weight of the

same capacity lead

acid battery

4500+

More than 4500+cycles maximizes your Rol

IP67

High level class protection from dust tight and water proof 1C continuous power and 2C peak power

1C

-40~60°C

Wider range of applications in extreme weather

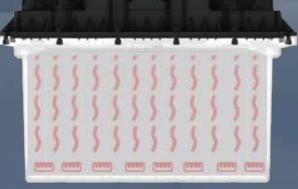
Intelligent Battery Management System





Innovative Heating Film Techinologies

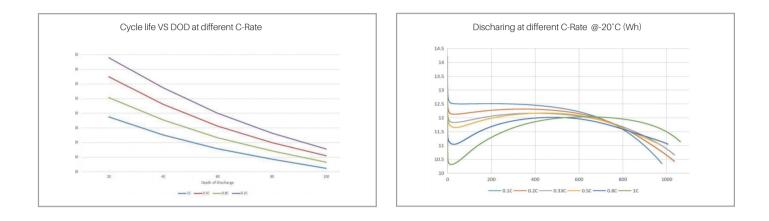
- Enable to charge the battery
- Obtained more usbale capactity
- Improving charging/discharging efficiency
- Prolong the battery life under low-temperature environment

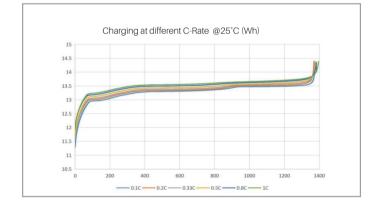


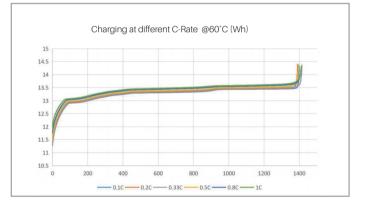
Still Working in **COLD WINTER**

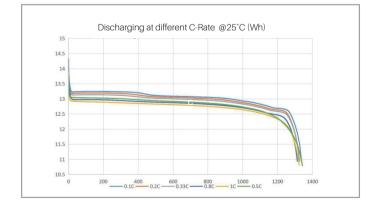
CHARACTERISTICS CHARTS

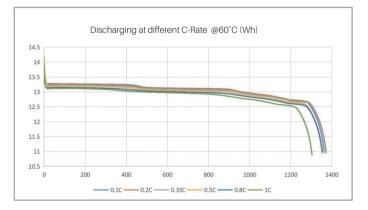
RT12100G31 (12.8V 100Ah 1280Wh)











SPECIFICATIONS

Nominal Voltage (Vdc)	12.8	
Nominal Capacity (Ah)	100	
Battery Capacity (Wh)	1280	
Dimension W*D*H (mm)	325*173.5*238	
Weight(kg)	12±0.2	
IP Rating	IP67	
Power Terminal	M8 bolt	
Internal Resistance $(m\Omega)\star$	<20	
Working Voltage Range(Vdc)	10.8~14.4	
Charge Voltage(Vdc)	14~14.4	
Nominal Operation Current(A)	20	
Max. Continuous Operation Current(A)	100	
Peak Current(A)	200@30sec	
Single String Quantity(pcs)	≤16	
(Serial connection voltage / pcs: \leq 51.2Vdc / 4pcs)		

Charge working temperature (\circlearrowright)	0~60
Discharge working temperature ($^{\circ}\mathrm{C}$)	-20~60
Working temperature (°C) *	-40~60
Altitude (M)	<4,000
Humidity(RH, %)	5~95 (w/o condensing)

Communication

RS485	115200bps
CAN	500Kbps
Bluetooth	BLE5.0
Dry contact	2×inputs 2×outputs

Certification

SAE J930, SAE J1455, UL1973, IEC62619, FCC, CE, Telec, Bluetooth SIG, UN38.3

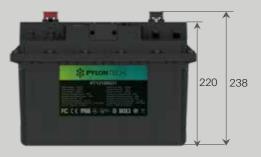


12 Volt Lithium-Iron-Phosphate Batteries smart with **Bluetooth**



Being nearly 60% lighter and 50% smaller than its equivalent lead acid cousin makes for a **Superior Alternative**





For Multiple Scenarios

Caravan/RV Truck Marine Golf Cart AGV Solar Energy Storage Off-grid Back Up Boating Off-Roading

Explore The World In Your Way

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