

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 traditional batteries

40%

40% weight of the same capacity lead acid battery

4500+

More than 4500+cycles maximizes your RoI

IP67

High level class protection from dust tight and water proof

1C

1C continuous power and 2C peak power





$-40\sim 60^{\circ}\text{C}$

Wider range of applications in extreme weather

Intelligent Battery Management System



Innovative Heating Film Technologies

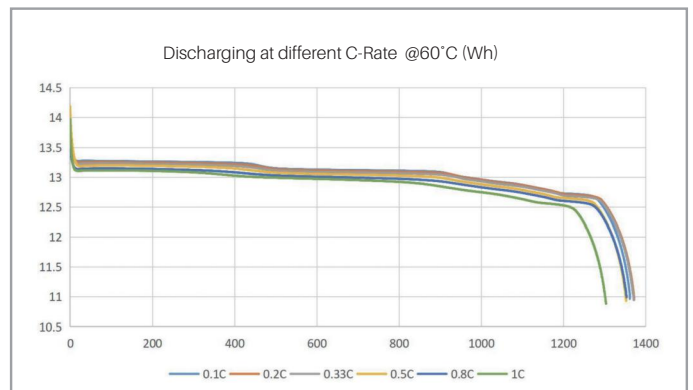
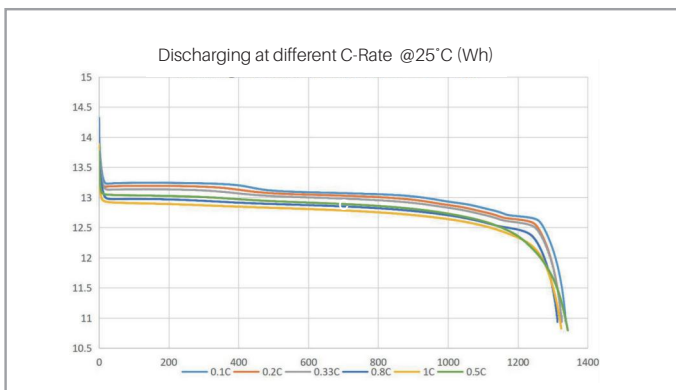
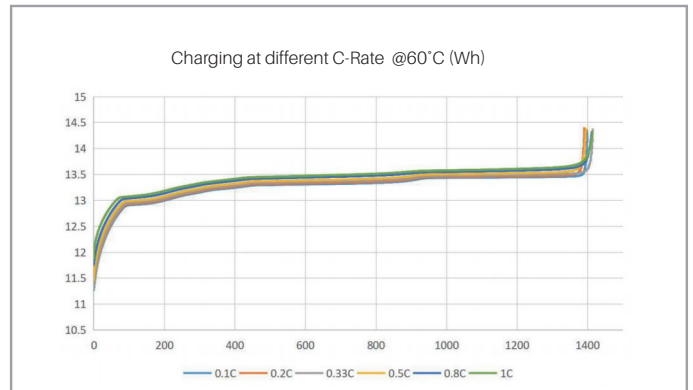
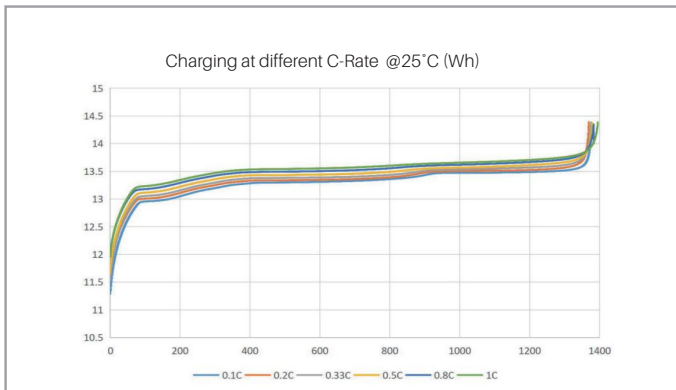
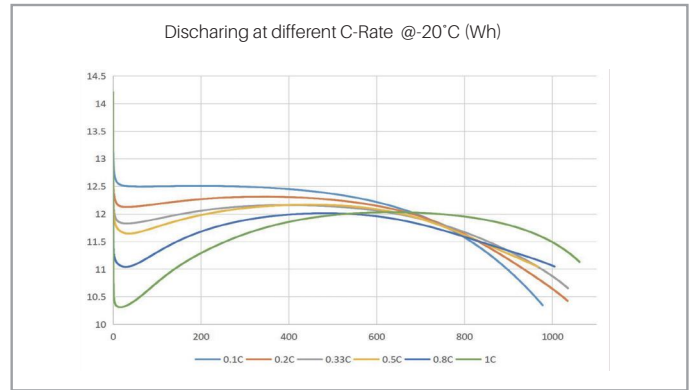
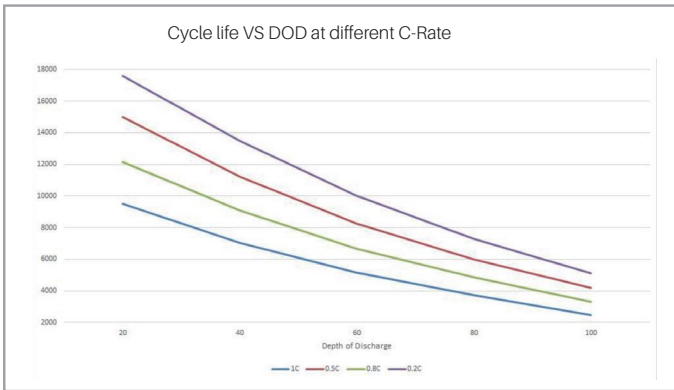
-  Enable to charge the battery
-  Obtained more usable capacity
-  Improving charging/discharging efficiency
-  Prolong the battery life under low-temperature environment



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(mΩ)*	<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: ≤ 51.2Vdc / 4pcs)	

Charge working temperature (°C)	0~60
Discharge working temperature (°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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