

RID Li-ION 48 / 100

ELECTRICAL SPECIFICATION:

- Nominal Voltage: **48V**
- Nominal Capacity: **100Ah**
- Capacity @20A: **5HR**
- Energy: **4800Wh**
- Resistance: **≤20mΩ**
- Efficiency: **99%**
- Self Discharge: **≤ 3% per month**

DISCHARGE SPECIFICATIONS:

- Max. Cont. Discharge: **100A**
- Peak Discharge Current: **200A(20ms)**
- Discharge Cut-off voltage: **40V**

CHARGE SPECIFICATION:

- Recommended Charge Current: **20A**
- Max. Charge Current: **100A**
- Charge Voltage: **58.4V**

MECHANICAL SPECIFICATIONS:

- Dimensions(L*W*H): **500*485*145mm**
- Weight: **45KG**
- Terminal Type: **Quick charge terminal**
- Case Material: **Metal case**
- Enclosure Protection: **IP54**
- Cell Type: **Prismatic**

FEATURE & BENEFITS:

- High Cycle Life: >6000 times @ 80%DOD for effectively lower cost of ownership
- Built-in BMS Protection: Battery Management System are incorporated to protect battery from OVER CHARGING, OVER DISCHARGING, SHORT CIRCUIT
- LIGHT WEIGHT: Dry power lithium batteries has higher energy density, wh/kg is the 3times than SLA battery
- WIDE OPERATING TEMPERATURE RANGE: Suitable for users in a wider range of application where ambient temperature is unusually high, up to +60 °C
- STEADY OUTPUT VOLTAGE: VIBRATION & SHOCK RESISTANT, NO MEMORY EFFECT, PRESSURE RESISTANT CELLS

SUITABLE APPLICATIONS:

- Lithium Iron Phosphate can be used in any application that would normally use Lead Acid, GEL, or AGM type batterie
- LiFePO4 in 4S=12.8V and 8S=25.6V is closed to Lead Acid equivalents of the Lithium rechargeable types
- Suitable applications included caravan, marine, golf carts, solar storage, remote monitoring, switching applications

CAUTIONS:

- Do NOT expose the battery to water
- Do NOT expose the battery to fire & high temperature
- Do NOT short circuit, crush or disassemble
- Only use LiFePO4 charger
- Store at 50% capacity, recharge every 3 months. The storage area should be clean, cool, dry and ventilated



TEMPERATURE SPECIFICATION:

- Discharge Temperature: **-20 to 60 °C**
- Charge Temperature: **0 to 55 °C**
- Storage Temperature: **-20 to 40 °C**
- BMS High Temperature: **80 °C**
- Reconnect Temperature: **50 °C**
- Communication: **CAN/Bluetooth (Optional)**

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PERFORMANCE CHARACTERISTIC:

