



12v 50ah deep cycle battery

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12V 50Ah Lithium Battery Is A 50Ah Deep Cycle Battery That Is Designed to Replace the Lead Acid Battery

MANLY Battery's 12V lithium battery offers peak performance for enhanced energy solutions. Introducing the MANLY 12v 50Ah Lithium Deep Cycle Battery - a pinnacle of durability and efficiency in energy storage. Crafted for the highest demands, this 12v 50ah lithium battery excels in sustainable energy systems, making it an ideal choice for Off Grid, Control Systems, Energy Storage, and RVs. With a remarkable lifespan extending over 20 years and more than 8000 charge cycles, it's not just about longevity; it's about consistent, dependable power.

Integrated safety features such as short-circuit, overcharge and over-discharge protection ensure seamless operation, while the balanced circuit design guarantees optimal performance. Plus, our 50ah lithium battery's modular nature allows users to effortlessly connect multiple battery series in parallel. And for those seeking enhanced user experience, MANLY 50ah deep cycle battery offers optional Bluetooth connectivity and a precise battery level display. Choose the MANLY difference - where cutting-edge technology meets energy efficiency.

1. Model Number: MLP1250A2. Nominal Capacity: 50Ah3. Nominal Voltage: 12.8V4. MAX Charge Voltage: 14.6V5. MAX Charge Current: 50A(Customization)6. 10-years warranty & 24 hours timely service7. The Max connection in series / in parallels: Support 4 series and 4 parallel8. Customization Support: Including voltage, capacity, current, size, appearance, etc.

Discover the superiority of the MANLY 50ah deep cycle battery, empowered by cutting-edge LiFePO4 technology. Unlike traditional Lead-Acid or AGM Deep-Cycle batteries, this lightweight champion is less than half the weight of its lead acid rivals. With the capability to discharge over 80% without diminishing its cycle lifespan, it's clear why LiFePO4 batteries are revolutionizing the market. Enjoy up to 3x-5x prolonged cycle life compared to Lead-Acid batteries and revel in 2x-3x swifter charging times, all thanks to its unique ability to handle higher charging currents.

Still clutching onto your old lead-acid battery? Upgrade with MANLY 12v 50Ah Lithium Battery, integrated with an avant-garde Battery Management System (BMS) and balance function. This game-changing energy reservoir is not only hassle-free maintenance but also pairs seamlessly with top inverter brands such as Growatt, Goode, Deye, Luxpower, and SRNE. Dive into extended run-times far surpassing conventional lead-acid batteries - the optimal power companion for every outdoor escapade.

Why Choose MANLY's 12V 50Ah Lithium Battery?

Optimized Operating Temperatures: Built to perform exceptionally well in challenging conditions, this battery



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thrives in both rugged and harsh environments. With an optimal temperature range of -20°F to +150°F, MANLY 50ah lithium battery outperform both sealed lead acid (SLA) and other lithium options. Please note: charging is not recommended below 32°F, while discharge and charge cut-offs stand at -4°F/-20°C and 23°F/-5°C respectively. The BMS high-temperature cut-off is set at 167°F / 75°C.

Unbeatable Energy Efficiency: Traditional lead-acid batteries generally offer a 70% energy efficiency rate, meaning you lose 30% of your energy during the recharge process. In stark contrast, MANLY's 12v 50Ah lithium battery boasts an astounding 95% energy efficiency. This allows for quicker charging times and greater energy conservation.

Low Self-Discharge Rate: One of the key advantages of MANLY 12v 50ah lithium battery is its incredibly low self-discharge rate of just 2.5% per month at room temperature (77°F/25°C). This means that even if you haven't used the battery for a year since your last outdoor escapade, it will retain over two-thirds of its original charge.

Lighter, longer-lasting, and more eco-friendly--MANLY 12V 50Ah Lithium Battery contains no acid or heavy metals, making it a safe, reliable, and sustainable choice for your power needs. Upgrade today and experience the future of energy storage.

1) Carton box -pallet-container.

Contact us for free full report

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