

500KWh Mobile Storage & Charging Vehicle**DataSheet****· Type:**

Mobile Energy Storage Power Supply

· Features:

1. Flexible Mobility: Meets energy replenishment, rescue, and emergency power supply needs for operational vehicles.
2. High-Rate Fast Charging: Suitable for fast charging of electric heavy-duty trucks, engineering machinery, buses, etc.
3. Rapid Deployment: Industrialized mass production, avoiding hardware investments like land and transformers.
4. Convenient Configuration: Resources can be flexibly allocated based on regional electric vehicle layout.
5. Green Power Utilization: Can be moved to power sources to utilize green electricity and curtailed power.
6. Peak Shaving & Valley Filling: Utilizes energy storage attributes to achieve grid peak shaving, valley filling, frequency regulation, and other functions.

· Parameter Sheet:

500kWh Mobile Storage & Charging Vehicle DataSheet

· User Manual:

500kWh Mobile Storage & Charging Vehicle User Manual



Technical Parameters	
General Parameters	
Container Dimensions (L*W*H)	3050*2440*2590mm
Battery Capacity	500kWh
Weight	3750kg
Operating Temperature Range	-25~50°C
Storage Temperature Range	-25~55°C
Operating Humidity Range	0-95%
Protection Rating	IP54
Suitable Altitude	>2000m (Derated use above 2000 meters)
Safety Protections	Leakage, Short Circuit, Overload, Overcurrent, Overheat, Phase Loss, etc.
Power Input Parameters	
AC Input Voltage	380VAC 250kVA
Input Frequency	45Hz ~ 65Hz
Power Factor	> 0.99
Total Harmonic Current	<5% (Rated Input)
DC Input Voltage	200-1000V
DC Input Current	320A (0.5C)
Power Output Options (Customizable)	
Output Option 1: AC380V 250kVA (Sinusoidal Output) Can be used as a high-power mobile AC power source	
Output Option 2: DC Fast Charge Output (Supports V2V) Supports charging for electric heavy-duty trucks, mining trucks	

The three components of the RENEPOLY Battery Energy Storage System

BESS cabinet / BESS Container, Energy Management System and ReneCloud / ReneApp & energy services

1.BESS cabinet / BESS Container



A business that generates and uses its own energy is well on the way towards independence.

In trades, gastronomy or agriculture – whatever your line of business, RENEPOLY battery storage systems reduce your dependence on energy suppliers and make you less vulnerable to price fluctuations and interruptions in supply.

Interested in RENEPOLY BESS Products?

Simply scan the QR code to subscribe and access all the info you need about our products and special offers.



2. Microgrid Energy Management System

Energy flows can be recorded, controlled and monitored with the innovative RENEPOLY energy management system – consisting of the RENEPOLY Energy Manager System cabinet and the

Want to explore renewable energy sources further?
In a hurry? Book a meeting with us now—just scan the QR code right now.
We can provide a free analysis and tailored one-stop solutions based on your needs.
Looking forward to seeing you there!



3. ReneCloud / ReneApp and energy services

By setting individual operational strategies, you can combine a wide variety of applications and thus perfectly adapt the system to the needs of commerce and industry.

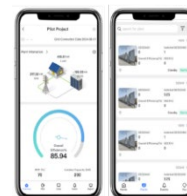
Curious about ReneCloud?
Scan the QR code right now, register for a test account, and explore all the features of our energy management solution at your own pace. And if you need any help, we're happy to assist!



ReneCloud



APP Android download



ReneApp

This data sheet is strictly informational and is not legally binding. The exact specifications and/or product features (particularly in case of further development of the products) may differ somewhat from the information provided here.

Subject to errors and changes. Please read the safety and installation instructions carefully and completely before using the product. In case of purchase, the currently valid guarantee policies and the general terms and conditions of delivery and business of RENEPOLY apply.

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