

**Pack43 Battery Pack (0.5C)****datasheet****· Category:**

Liquid Cooling Battery Pack

**· Application:**

Remote Area, EV Station, Industrial & Commercial, Residential, Frequency Regulation, Power Station

**· Benefits:**

Enhanced Grid Reliability and Resilience, Cost Savings, Environmental Benefits, Energy Independence, Improved Power Quality, Scalability and Flexibility, Support for Electrification

**· Hardwares:**

Packs, BMS, HV Box, EMS Controller Set, Racks

**· Software:** BMS, EMS**· Data Sheet:** Pack43 Battery Pack Datasheet

## Technical Parameters

### Batteries

Nominal Battery Voltage	832VDC
Battery Type	LiFePO4 3.2V/280Ah
Battery Pack Configuration	1P48S/43.008kWh
Battery Rack Configuration	1P240S
Battery Rack Voltage Range	672-864VDC
Charging/Discharging Current	140A
Battery Disconnect	Integrated
Cooling concept of battery Pack	Liquid Cooling

### General Parameters

Dimension W*D*H	810*1160*250mm
Charge/Discharge Rate	0.5C
Depth of Discharge	95%
Life Cycle	8000
Degree of Protection	IP65
System Efficiency	~91%
Cooling Liquid	50% Ethylene glycol+50% Water
Allowed Ambient Temperature	-30 ~ 60°C (>45°C Derating)
Allowed Relative Humidity	0 ~ 95%
Battery Pack Weight	~330kg
Lifting Options	Fork

### Monitoring

Communication	RS485/Ethernet
Communication Protocols	MODBUS-RTU/MODBUS-TCP
Remote Control System	Renepoly Cloud

### Certifications

Battery Cell	CE, RoHS, UN38.3, MSDS, UL, ESG
Battery Pack	CE, UN38.3, MSDS
Battery Rack	CE, UN38.3, MSDS

# 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 ReneCloud portal.

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.

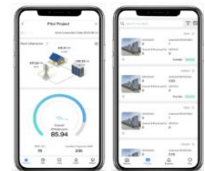
Curious about ReneCloud? Scan the QR code right now, register for a test account, and explore all the features of our energy management solution at your own pace. And if you need any help, we're happy to assist!



ReneCloud



APP Android download



ReneApp

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