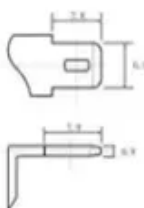
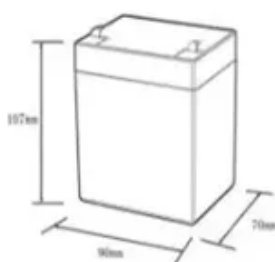




# New energy storage chemical power source

12.8V6Ah



- Nominal voltage (V):12.8
- Nominal capacity (ah):6
- Rated energy (WH):76.8
- Maximum charging voltage (V):14.6
- Maximum charging current (a):6
- Floating charge voltage (V):13.6~13.8
- Maximum continuous discharge current (a):10
- Maximum peak discharge current @10 seconds (a):20
- Maximum load power (W):100
- Discharge cut-off voltage (V):10.8
- Charging temperature (°C):0~+50
- Discharge temperature (°C): -20~+60
- Working humidity: <95% R.H (non condensing)
- Number of cycles (25 °C, 0.5c, 100%doD): >2000
- Cell combination mode: 32700-4s1p
- Terminal specification: T2 (6.3mm)
- Protection grade: IP65
- Overall dimension (mm):90\*70\*107mm
- Reference weight (kg):0.7
- Certification: un38.3/msds





## Overview

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In the context of increasing sector coupling, the conversion of electrical energy into chemical energy plays a crucial role. Fraunhofer researchers are working, for instance, on corresponding power-to-gas processes that enable the chemical storage of energy in the form of hydrogen or methane. While lithium-ion batteries dominate headlines, a chemical revolution is brewing behind laboratory doors that could reshape how we store solar and wind. Lithium: As a vital metal in energy storage, lithium is extensively employed in lithium-ion batteries, a prevalent option for electric vehicles. Its lightweight nature and high electrochemical potential contribute to its widespread use, providing higher energy density. Graphite: Utilized as a key.



## New energy storage chemical power source



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## technologies and their

Different energy storage technologies including mechanical, chemical, thermal, and electrical system has been focused. They also intend to effect the potential advancements in storage ...

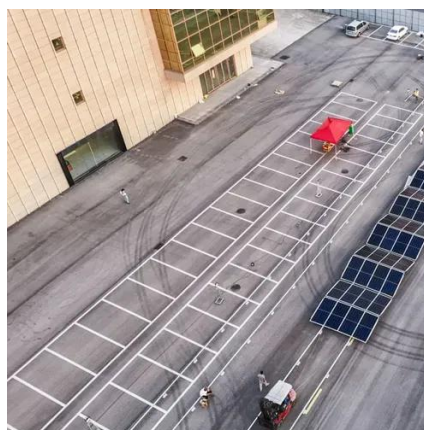


## **Chemical Energy Storage**

In the field of power-to-gas technologies, the long-term storage of renewable energies in the form of hydrogen (through water electrolysis) or methane holds a key position. Hydrogen has a high energy ...

## **Review of Energy Storage Devices: Fuel Cells, Hydrogen Storage ...**

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