



Understanding the GPD210-1212V210Ah GP Battery: Power Solutions for Industrial Applications

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What Makes the GPD210-1212V210Ah Stand Out?

If you've ever wondered how data centers keep running during blackouts or why emergency lighting systems never fail, industrial batteries like the GPD210-1212V210Ah are the unsung heroes. This valve-regulated lead-acid (VRLA) battery delivers 12V/210Ah capacity - enough to power a small server rack for 4-6 hours during outages. Unlike standard car batteries that struggle with deep discharges, its absorbent glass mat (AGM) design prevents acid stratification, achieving 500+ charge cycles at 80% depth of discharge.

Key Technical Specifications

Dimensions: 522x240x218mm (fits standard 19" racks)

Terminal type: M8 brass bolts with anti-corrosion coating

Self-discharge rate: 3 months

The Chemistry Behind the Performance

GP's proprietary lead-calcium-tin alloy grids combat corrosion better than standard lead-antimony designs. Combined with high-density paste (4.25g/cm³), this extends float service life to 8-10 years in climate-controlled environments. During load testing, the battery maintains >10.5V for 210 minutes at 25A discharge - exceeding IEEE 1188 standards by 18%.

Smart Monitoring Integration

Modern installations pair these batteries with IoT sensors tracking:

Internal ohmic values (D

Web: <https://www.sphoryzont.edu.pl>