

# PV Storage Stack GWEC200-100K-5\*40K-400-A GWTime Configuration Guide

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### Decoding the Technical Specifications

Let's break down the components of this energy storage solution like solving a technical puzzle. The GWEC200-100K-5\*40K-400-A GWTime system combines photovoltaic storage with advanced grid management capabilities. Think of it as the Swiss Army knife of renewable energy systems - multiple tools integrated into one smart package.

### Key Parameters Breakdown

GWEC200: Grid-connected Wind Energy Converter (200kW capacity)

100K: 100kWh battery storage capacity

5\*40K: Five parallel 40kW power modules

400-A: 400A maximum discharge current

GWTime: Grid-synchronized timing controller

### Storage Stack Architecture

This system uses a modular battery architecture that's more flexible than LEGO blocks. The 5\*40kW modules operate in parallel, allowing partial system operation during maintenance - like having spare engines in a race car that automatically engage when needed.

### Performance Characteristics

Round-trip efficiency: 96.5% @25°C

Cycle life: 6,000 cycles @80% DoD

Response time:

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