Set Up in Minutes







Everything at a Glance



Upgrade with Your Needs







Mix New & Old Packs Freely

Pack-Level DC/DC Balancing automatically matches the charge levels (SOC) of new and old battery packs.

Power Without the Grid

Power During Outages



Off-Grid Living



Compatible with Smart Meters



Open MQTT, Open Possibilities



Hoymiles

MAX POWER. MAX SAFETY

Plug-in Home Battery

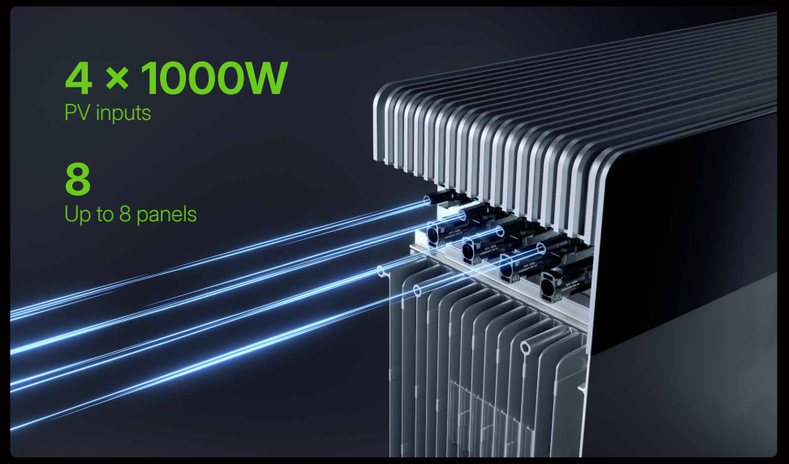
4kW PV Input | **4–16kWh** Capacity | **8,000** Life Cycles | **2500W** Inverter



HiBattery 4020 X

OPEN ENERGY FOR ALL

Max Power & Efficiency.







Smarter AI, Greater Savings



+15%
Revenue Boost

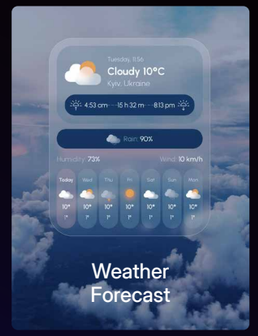
3
Optimized every
3 hours

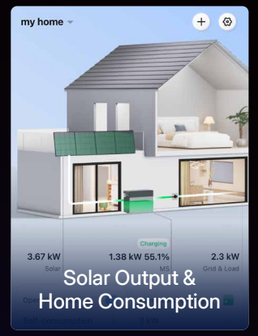
Take Control of Your Energy Bill



Learn Your Home. Optimize Itself.







Safety Beyond Industry Standards

314Ah/4020Wh
High Capacity

Intelligent Cell Balancing
20% extended lifespan

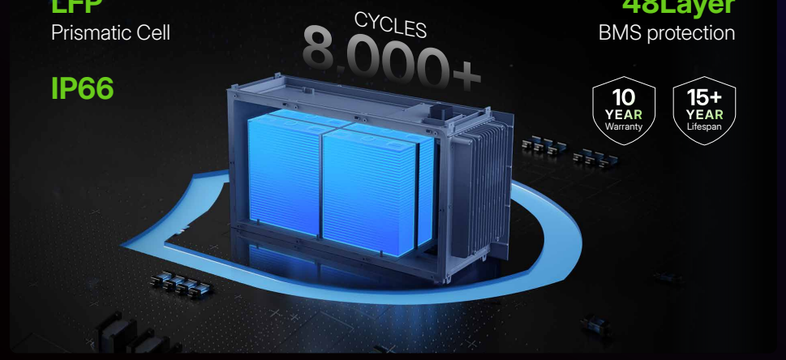
-20°C~55°C
Self-heating
& Winter-proof

Dual-MCU
Overcharge/over-discharge
protection

LFP
Prismatic Cell

48Layer
BMS protection

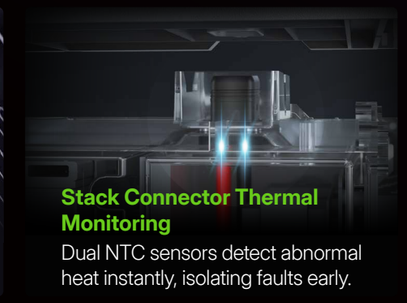
IP66



Protected at Every Level



PV Input Overheat Protection
Cuts off input automatically before overheating becomes a fire risk.



Stack Connector Thermal Monitoring
Dual NTC sensors detect abnormal heat instantly, isolating faults early.



Pressure Relief Valve
Automatically balance pressure to prevent dangerous buildup



Internal Fire Extinguisher
Eliminate fire risks