# Technical Specs




| | | |
|---|---|---|
| **Battery** | | |
| | Battery type | Li-ion/Lead-acid |
| | Battery voltage range (V) | 40-60 |
| | Max. charge/discharge current (A) | 350 |
| **PV Input** | | |
| | Max. PV power (W) | 40000 |
| | Start-up voltage (V) | 150 |
| | MPPT voltage range (V) | 150-900 |
| | Max. input current (A) | 20/20/20/20 |
| | MPPT number/Max. input strings number | 4/4 |
| **AC Output** | | |
| | Max. on-grid output apparent power (VA) | 22000 |
| | Rated on-grid AC output voltage/Range (V) | 380/400, 266-480 |
| | Max. off-grid output apparent power (VA) | 40000, 10s |
| | Back-up switch time (ms) | <10 |
| **General** | | |
| | Dimensions (W × H × D [mm]) | 539 × 696 × 232 |
| | Weight (kg) | 41 |
| | Operating temperature (°C) | -25 to +65 (>45, derating) |
| | Protection degree | IP66 |

*The parameters listed are specific to the HIT-20L-G3 model.




| | | VAT-11-G2 | VAT-22-G2 |
|---|---|---|---|
| **General** | | | |
| | Input/output power rating (kW) | 11 | 22 |
| | Max. input/output current (A) | 16 | 32 |
| | Charging interface | IEC 62196-2 Type 2 tethered plug (Case C) | |
| | Residual current protection | DC 6 mA | |
| | User authentication | RFID card | |
| | Dimensions (W × H × D [mm]) | 280 × 280 ×148 (without pole 280 × 1210 ×201 (with pole) | |
| | Protection degree | IP65 | |
| | Charging cable length (m) | 5 | |

*The parameters listed are specific to the VAS-7-G2 model.




| | | |
|---|---|---|
| **System data** | | |
| | Battery Type | LiFePO4 |
| | Rate capacity(Ah) | 314 |
| | Total Energy(kWh) | 16.08 |
| | Rated Voltage(V) | 51.2 V |
| | Voltage Range(V) | 44.8-58.4V |
| | Max. Charging/ Discharging Continuous Current(A) | 157 |
| | Peak Charge / Discharge Current(A) | 235（10S） |
| | Max. scalability | 16 |
| **General** | | |
| | Dimensions [W*H*D] (mm)* | 886*236*410 |
| | Weight(kg)* | 115 |
| | Installation Environment | Outdoor/Indoor |
| | OperationTemperature | -20°C~55°C |
| | Cycle life (25°C，0.5C) | 8000 Cycles, 90% DOD, 70% EOL |
| | Protection Level | IP65 |




| | | LB-6D-G3 | LB-10D-G3 |
|---|---|---|---|
| **System Data** | | | |
| | Battery Type | LiFePO4 | |
| | Rate capacity(Ah) | 314 | |
| | Total Energy(kWh) | 6.02 | 10.04 |
| | Rated Voltage(V) | 51.2V | |
| | Voltage Range(V) | 44.8-60V | |
| | Max. Charging/ Discharging Continuous Current(A) | 60 | 100 |
| | Peak Charge / Discharge Current(A) | 90（10S） | 150（10S） |
| | Max. scalability | 16 | |
| **General** | | | |
| | Dimensions [W*H*D] (mm)* | 519*236*410 | 664*236*410 |
| | Weight(kg)* | 55 | 80 |
| | Installation Environment | Outdoor/Indoor | |
| | OperationTemperature | -20°C~55°C | |
| | Protection Level | IP65 | |
| | Cycle life (25°C，0.5C) | 8000 Cycles, 90% DOD, 70% EOL | |

# Customer Stories

Thailand, Samut Prakan
**140 kW 20.48kWh**



Vietnam, Hanoi
**20kW 20.48kWh**



Vietnam, Hanoi
**20kW 20.48kWh**



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# About Hoymiles

Founded in 2012, Hoymiles has been dedicated to advancing clean energy technology. As a global leader in smart energy solutions, we provide efficient and reliable PV and energy storage systems for diverse applications — from DIY and residential to C&I and large-scale projects.

With over 1,900 employees, more than 35% in R&D, we drive continuous innovation that powers customers in over 190 countries.

Guided by the mission Open Energy for All, Hoymiles drives solar adoption through continuous innovation and global strategy, building a greener and more sustainable future.

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Hoymiles

# RESIDENTIAL PV-ESS-EV SOLUTION

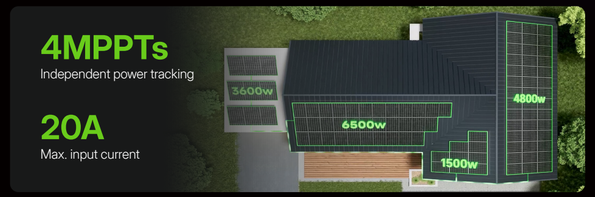
Three-Phase Low-Voltage

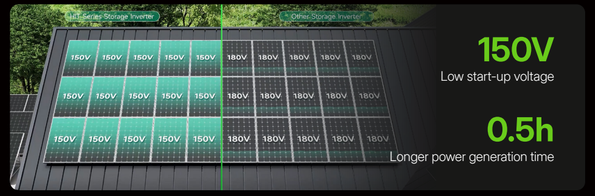


ONE HUB FOR ALL THINGS ENERGY.

## Ultra-Powerful Performance

Through refined management of power generation and consumption in energy storage systems, HIT hybrid inverters help users improve efficiency, extend generation duration, and reduce energy waste.




## Multi-Power Assurance

Easily integrates multiple energy sources like PV, generators, and batteries, ensuring continuous power supply regardless of any outage.




## Ready for Any Condition

With premium cells and robust protection design, the LB Series battery defies any climate challenge, consistently delivering reliable operation, powering you for years to come.




## Mix Freely, Stay Ahead

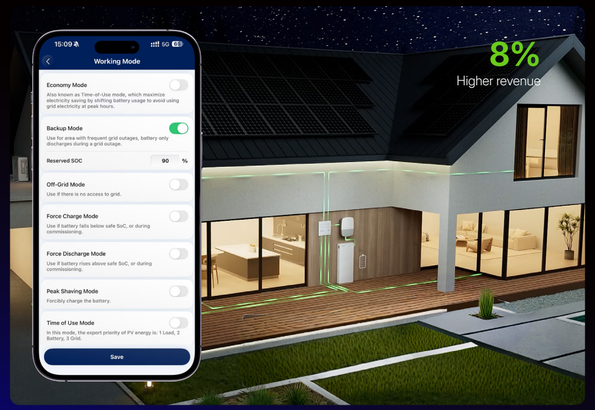
Seamlessly combine old and new battery modules for easy expansion and cost savings, while smart coordination optimizes charge/discharge efficiency and prolongs the overall lifespan.




*The function only applies to the model of LB-6D-G3 & LB-10D-G3

## Every Save Counts

Maximize your returns and boost revenue with intelligent Multi-Mode Operation (Self-Consumption, Peak Shaving, and Time Of Use), strategically aligning with peak/off-peak rates.



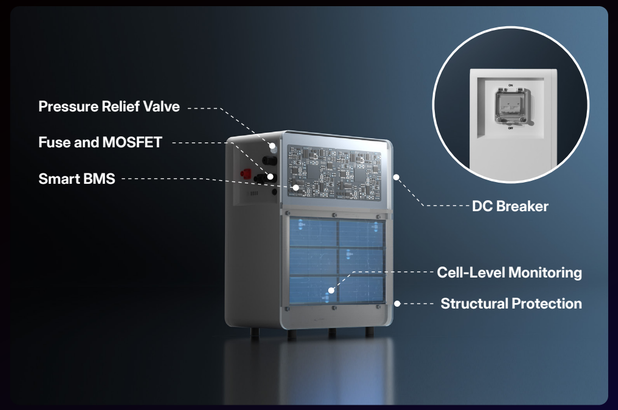

## Power Without Interruption

In areas with unstable grids, Hoymiles solution creates a reliable energy storage system, ensuring uninterrupted electricity.




## Multi-level Safety Protection

Experience true peace of mind with a layered safety approach—from intelligent BMS and electrical safeguards to a rugged design and continuous diagnostics—ensuring confidence at every level.




## User-Friendly Installation

Offering multiple installation methods for customer choice, the system requires no complex tools and uses a plug-and-play setup for speed and miniimized on-site labor.

