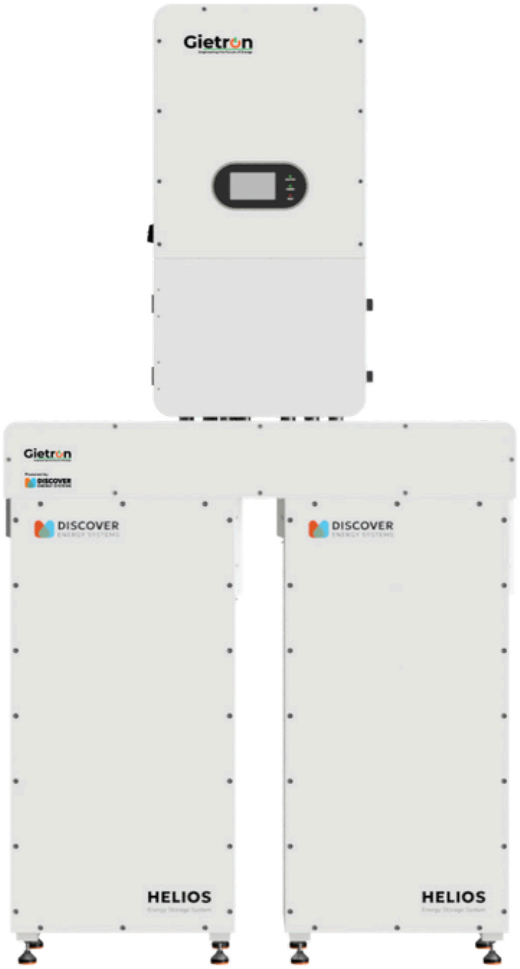
Gietron
Engineering the Future of Energy

Gietron Hybrid Inverter + HELIOS ESS

Smarter Power, Simplified Integration

Empower every home with dependable, high-efficiency energy storage. The combination of Discover Energy Systems' HELIOS Energy Storage System (ESS) and Gietron's 10kW split-phase hybrid (SPH) inverter delivers intelligent backup power and solar self-consumption in one unified system.



Discover HELIOS + Gietron SPH Inverters:

- **Instant Backup.** UPS-class transfer speed (< 10 ms) keeps power steady during outages.
- **Expandable Capacity.** 16 kWh per HELIOS ESS; parallel up to 36 units (576 kWh).
- **Clean Installation**. Compact form factor and dedicated conduit options.
- **Versatile Operation.** DC or AC-coupled configurations with generator-charging support and three-phase capability.

Gietron is a brand owned by Gwatt Innovations Ltd.

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Gietron Powered by GROWATT

Proudly Canadian • Owned & Operated •

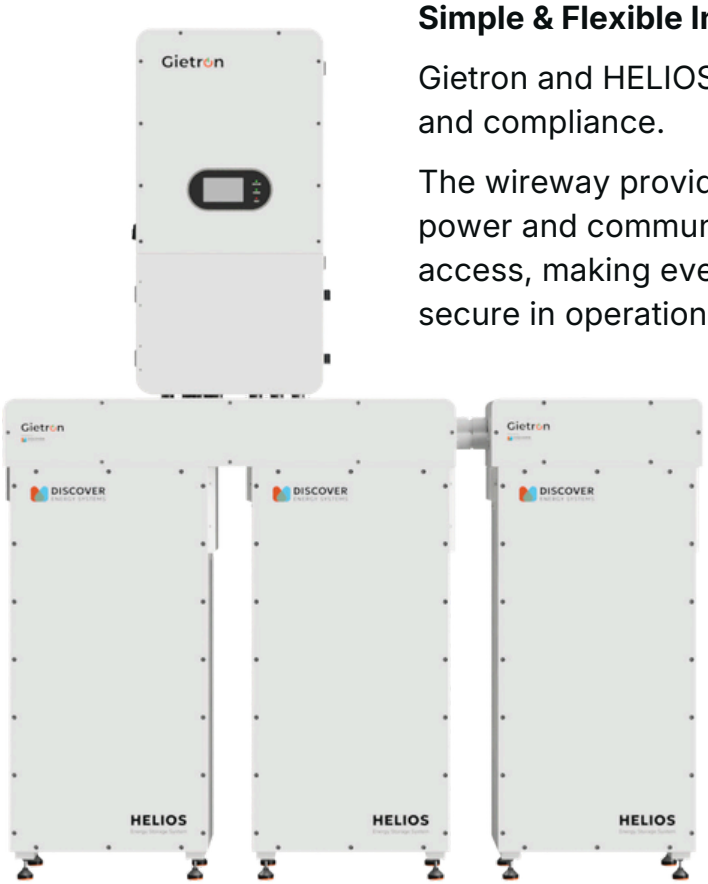
Specifications	Value
Nominal Continuous AC Power	10 kVA
Rated Output Current	41.7 A @ 240 V
Backup Transfer Time (UPS)	< 10 ms
Solar Input Capacity	15 kW
Maximum Power Point Trackers	3
Maximum Battery Charge / Discharge Current	200 A / 200 A
Nominal AC Voltage	120/240 V Split-Phase
Efficiency	98.1% peak / 97% CEC
Enclosure rating	IP65
Operating Temperature	–25°C to +60°C (derating > 45°C)
Energy Storage	16 kWh / Helios
Built-in Breakers	BAT 80 V/250 A · GRID 400 V/100 A · GEN 400 V/63 A · LOAD 400 V/100 A
Certifications	UL 1741(SA/SB/CRD), UL 1699B, ULIEEE 1547, CSA C22.2, CSA C22.3, IP65 UL 1973, UL 9540 (DC ESS 3rd Edition), UL 9540A, UN 38.3
Warranty	10 years, backed by Discover and Gietron service networks

For Installers

- Outdoor-rated IP65 design for reliable field installs.
- Direct 48V DC integration with 200 A capacity.
- Closed-loop CAN communication.
- Clean, code-compliant wiring using conduit options.
- Scalable parallel configuration for future expansion.

For Homeowners or Site Operators

- Seamless backup power with grid and/or generator.
- Expandable storage capacity up to 580 kWh.
- Time-of-use and self-consumption ready.
- Compact footprint with quiet operation (< 60 dB A).
- 10-year warranty backed by Discover and Gietron



Simple & Flexible Installation Options

Gietron and HELIOS ESS simplify wiring while maintaining safety and compliance.

The wireway provides a clean, organized pathway for routing both power and communication cables while maintaining easy service access, making every installation professional in appearance, secure in operation, and straightforward to commission.

Why Choose This Solution

The Gietron and Discover Energy System pairing unites high-efficiency inverter control with advanced energy storage to provide a resilient, grid-connected backup system. Gietron's platform and HELIOS's 4th-generation BMS maintain closed-loop communication for accurate power management, simplified setup, and long-term reliability.