



MyGrid 10K Whole Home Generator

Model: NGMGTN



Intertek

Certifications & Compliance:

UL 1741: Certified for safety and reliability of inverters and interconnection systems for distributed energy resources.

UL 1973: Ensures safety and performance for energy storage systems.

Integrated BMS: The built-in Battery Management System monitors battery status and safeguards against over-charge, over-discharge, and thermal events.

LiFePO4 Chemistry: Lithium iron phosphate cells provide outstanding thermal stability and longevity, meeting rigorous safety standards for energy storage.

Key Features Overview

10,000W Continuous Output: Delivers steady, whole-home power capable of running high-draw appliances simultaneously — HVAC, refrigerators, EV chargers, and more.	LiFePO4 Battery Chemistry: 10,496Wh lithium iron phosphate battery provides stable, long-cycle-life storage with superior thermal safety compared to other lithium chemistries.
Rapid Recharge: Reaches 80% charge in approximately 2 hours via 208V/240V AC input at up to 4,500W, minimizing downtime during extended outages.	Massive Solar Integration: Accepts up to 12,000W of solar input across a wide voltage range of 120Vdc–550Vdc, supporting large residential and commercial arrays.
Scalable & Expandable: Two units can be paired for up to 20,000W combined output. Battery capacity expandable to 73,742Wh for extended off-grid capability.	Plug-and-Play Installation: No permanent wiring modifications required. Renter-friendly design allows hassle-free relocation and quick deployment at any site.
EV Bidirectional Transfer: Supports EV-to-home bidirectional energy transfer, enabling electric vehicles to serve as supplemental backup power sources.	AC Coupling Compatible: Works with existing grid-tie solar inverters via AC coupling — no need to replace existing solar infrastructure when adding backup power.

Electrical Ratings | Power Output

Parameter	Specification	Parameter	Specification
Rated Output Power	10,000W	Solar Voltage Range	120Vdc – 550Vdc
Battery Capacity	10,496Wh	Wind Turbine Input	350W
Battery Chemistry	LiFePO4	120V AC Charging	1,000W
Voltage Output	120V / 120/240V / 120/208V	208V / 240V AC Charging	4,500W
Max Solar Input	12,000W	Certification	UL 1741

Charging Methods | Recharge Performance

Parameter	Specification	Parameter	Specification
Super Charging (208/240V AC)	4,500W	Solar Charging Max	Up to 12,000W
Full Charge Time	~2.5 hours	Standard AC Charging (120V)	1,000W
80% Charge Time	~2 hours	Wind Input	Up to 350W

Expandability | System Scaling

Parameter	Specification	Parameter	Specification
Dual-Unit Combined Output	20,000W	Max Wind Turbine Input	350W
Max Battery Expansion	73,742Wh	AC Coupling	Supported
Max Solar Integration	12,000W	EV Bidirectional Transfer	Supported

Mechanical | Physical

Parameter	Specification	Parameter	Specification
Enclosure Material	Durable metal construction	Portability	Relocatable (renter-friendly)
Installation Type	Plug-and-play, no permanent wiring	Display	LED battery status indicator
Mounting	Indoor	Battery Management	Integrated BMS

Environmental | Operating Conditions

Parameter	Specification	Parameter	Specification
Application	Residential / light commercial / off-grid	Off-Grid Capability	Full off-grid operation supported
Grid-Tie Compatibility	AC coupling with grid-tie inverters	EV Integration	Bidirectional EV-to-home transfer
Smart Automation	Off-peak charging automation	Time-of-Use Arbitrage	Supported via smart automation

General

Parameter	Specification	Parameter	Specification
SKU	NGMGTN	Customer Support	Lifetime support included
Model (with Solar Battery)	NGMGTNB2	Compliances	ETL Listed
Warranty	5 Year limited warranty	UPC Code	810170210334

Notes

- Designed for residential backup power, energy bill reduction, and off-grid living. **NOT** intended for critical life-support applications.
- Solar input specifications assume compatible MPPT controller integration; consult the user manual for wiring diagrams.
- All specifications subject to change without notice. © Nature's Generator.