ONE-FOLD

Power your operations anywhere with ONE-Fold. A modular power station, built for reliability and tailored to your energy needs.

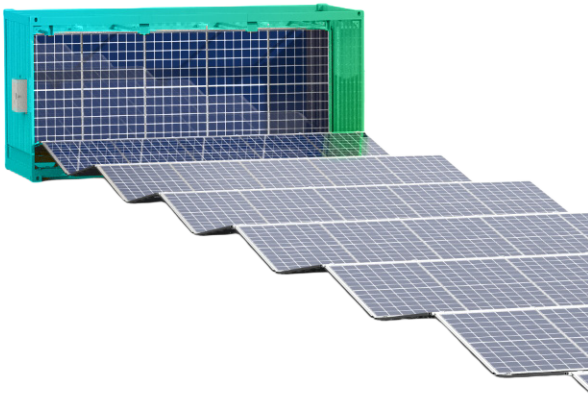
RELIABLE POWER. ANYWHERE, ANYTIME.

The ONE-Fold Series is a modular, containerised solar and hybrid power solution built for rapid deployment and rugged reliability — perfect for regional NRG-ONE customers needing scalable, dependable, and cost-effective energy. NRG-ONE delivers tailored off-grid and on-grid solutions, simplifying complex grid connections. With ONE-Fold, customers get a plug-and-play system that cuts diesel or grid reliance from day one.



FAST. FLEXIBLE. BUILT TO PERFORM.

Each ONE-Fold unit is built into a 20-foot container with fold-out PV racks that ship easily to any location and can be fully deployed within hours. This fast, low-impact installation is ideal for regional operations in agriculture, food processing, telecoms, disaster response, and remote communities — anywhere speed and reliability matter most.



HYBRID POWER. SEAMLESS INTEGRATION.

A key strength of the ONE-Fold solution is its seamless integration with battery energy storage systems (BESS) and backup generators. Built for harsh environments, each unit pairs easily with hybrid inverters, battery packs, and generator sets to deliver complete off-grid or grid-connected power. This hybrid setup ensures reliable energy — even during low solar output or sudden demand spikes.

NRG-ONE

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SCALABLE. SMART. FUTURE READY.

ONE-Fold grows with you. Its modular design scales easily as energy needs increase, while the integrated monitoring platform and VPP capabilities enable smarter energy management and grid participation. By combining solar, battery storage, and generator backup in one transportable system, NRG-ONE delivers a robust, low-cost solution that maximises uptime and minimises operating costs.

SPECIFICATIONS	GF 120	GF 150
Total kW	120kW	150kW
Solar Panels	216 x 560W Panels	268 x 560W Panels
System Voltage	670V DC	
Panel Angle	Adjustable	
Combiner Box	Included with DC Breaker/s	
Wiring	Prewired Into Combiner Box	
Panel Type	Monocrystalline	
Mounting System	Integrated fold-out frame structure, containerized	
System Shipping Size	Std ISO 20ft HC (6m x 2.4m x 2.9m)	
Expanded Size	122m × 2.4m × 2.9m	125m × 2.4m × 2.9m
System Shipping Weight	14T approx.	15T approx.
Wiring	Prewired with cable tray	
Mounting Rails & Tracks	Included	
Deployment	Electrically motorized for deploy & refold	
Fold/Unfold Time	30 - 45 Mins	
Complete Installation Time	2-3 Hours with team of 3 (approx.)	

SPECIFICATIONS	GF 120	GF 150
String Inverter	100kW	125kW
Hybrid Inverter	80kW with 120kW MPPT	100kW with 150kW MPPT
Parallel Function	Up to 10	
Battery Pack (Separate Container/s)	240kWh(1) to 2.4MWh(10)	250kWh(1) to 2.5MWh(10)
Monitoring Platform	Yes - Available	
VPP for Grid Connected Systems	Yes - Available	

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