

High-Efficiency, Compact, and Smart Solar Storage



SPECIFICATIONS

Features	Descriptions
PV Input	
Max PV input power	2600W Max
PV input voltage range	16-60VDC
Max PV input voltage	60VDC
Number of MPPT channel	4
Number of PV strings per MPPT channel	1
PV input current	20A Max
On-grid Port	
AC nominal output power	800W
Max.output current	3.5A Max
Nominal output voltage	230V
AC grid frequency (Range*)	50HZ/60HZ
Versatile AC Port	
Rated off-grid AC output power	800W
Nominal output voltage	230V
Max Output Current	3.5A Max
Battery Specifications	
Battery type	LiFePO4
Battery capacity	2048Wh
Max. expansion capacity	8192Wh
Max. charging power	2000W max
Rated voltage	51.2V
General	
Charging/Discharging temperature range*	0°C ~ 55°C / -20°C ~ 55°C
Dimensions(W/D/H)	406*255*290 mm
Weight	≈24kg
Protection level	IP66
Interface	LED & APP
WiFi/Buletooth	Supported
Warranty	10 years
Certification	VDE-AR-N 4105: 2018, TOR Erzeuger Type A, EN 50549, CE, IEC 62109, IEC 62619, IEC 62477, Rohs, Reach, UN38.3
Expansion Battery Parameters	
Rated Capacity	2048Wh
Battery capacity	2000W
Max Discharging Power to NEXA 2000	800W
Net Weight	≈20Kg
Dimensions (L*W*H)	406*235*270mm

*Support -20°C startup and automatically self-heat the device for a certain time to the charge temperature range.



NEXA 2000^{NEW}
All-in-one Balcony Solar Storage



Maximize Solar Self-Consumption

The NEXA 2000 Battery stores excess solar energy during the day and delivers it when needed, enhancing the efficiency of solar energy utilization.



Save on Energy Costs

Forget about that dreaded end-of-month electricity bill. With endless solar energy streaming into your home via this system, you can enjoy significant annual savings.



800W Off-grid Capability

During sudden power outages, the off-grid port supplies power to critical loads, ensuring essential systems remain operational. This feature also makes it suitable for outdoor and remote applications.



IP66 Waterproof and -20°C Startup

With an IP66 waterproof rating and -20°C startup support, NEXA is perfect for villas, balconies, gardens, and apartments. It remains reliable in all weather conditions, even in rainy days or cold winters.



4 MPPT/2600W/20A

With 4 MPPTs accommodating different rooftop orientations and 20A string current supporting 650W high-power modules, the total solar input capacity reaches 2600W



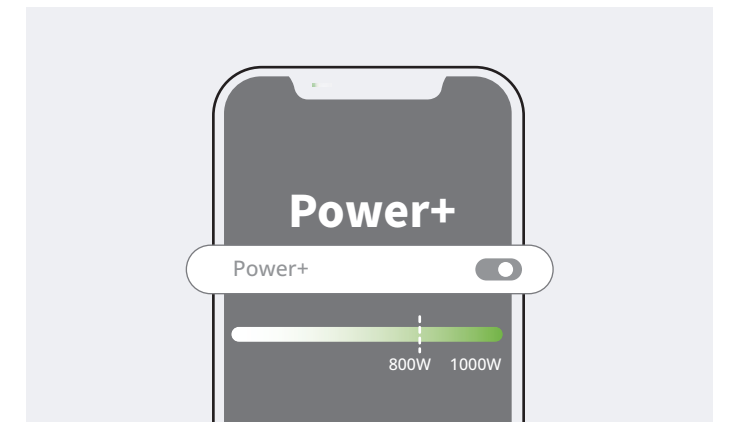
All-in-one Design

Multiple functional modules are seamlessly integrated, eliminating the need for an additional microinverter and offering all-in-one convenience and ease of use.



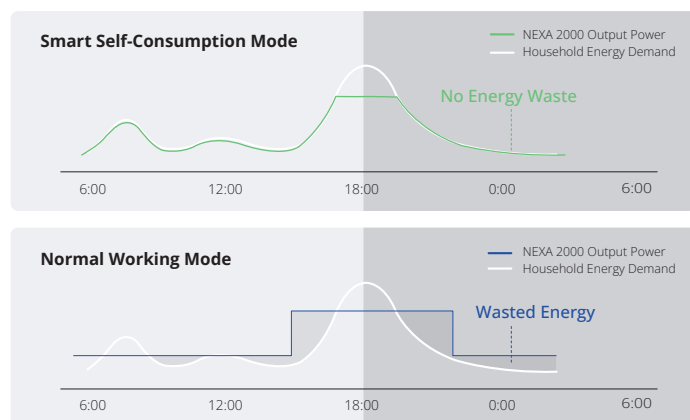
Flexible Expansion, up to 8kWh

With the NEXA 2000 expansion battery, the NEXA system can be easily expanded to 8 kWh through direct stacking



Power+ Function Boosts the Power Output

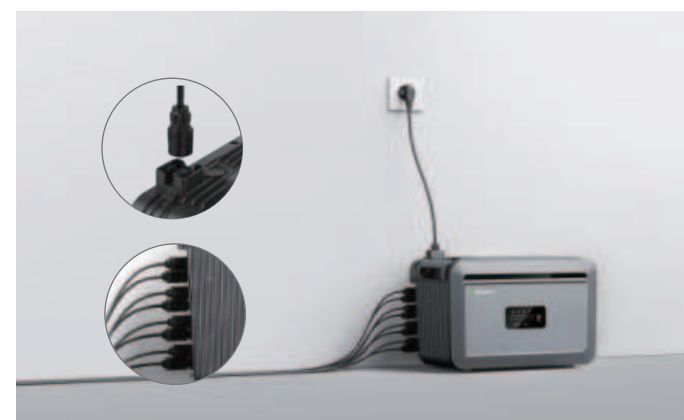
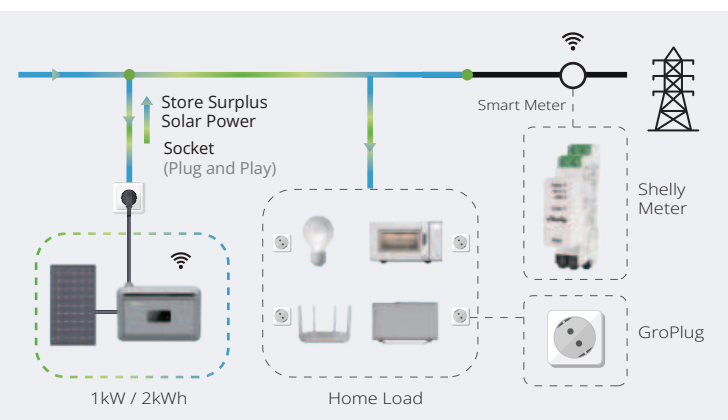
NEXA allows manual adjustment of the output power, providing greater energy flexibility to meet your needs.



Zero Energy Waste

With Shelly Meter/Groplug-X device, it continuously monitors real-time load power, allowing NEXA to adjust output power dynamically based on scheduling needs. This optimizes photovoltaic power generation and reduces dependency on grid power.

*Compatible Shelly Meter: Shelly Pro 3EM, Shelly 3EM



Quick 2-minutes Installation

Only two connection, Simply plug the NEXA 2000 all-in-one battery into the socket, and the installation is complete in just 2 Minutes



3rd Generation GaN Tech

Featuring advanced 3rd generation GaN technology, NEXA 2000 delivers higher efficiency than standard hybrid inverters.