High-Efficiency, Compact, and Smart Solar Storage



SPECIFICATIONS

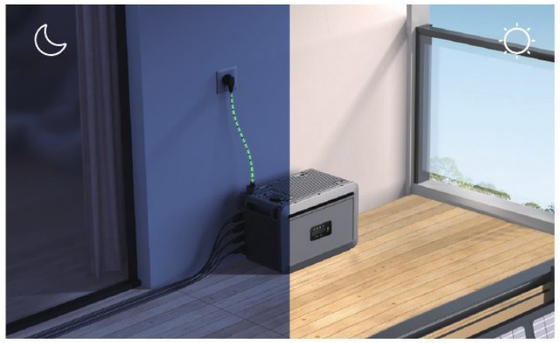
Features	Descriptions
PV Input	
Max PV input power	2600W Max
PV input voltage range	16-60VDC
Max PV input voltage	60VDC
Number of MPPT channel	4
Number of PV strings per MPPT channel	1
PV input current per MPPT tracker	20A Max
On-grid Port	
AC Input	230Va.c., 50/60Hz, 700W
Max AC Input Current	3A
AC Output	230Va.c., 50/60Hz, 800W
Max AC Output Current	3.5A
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
Genaral	
Charging/Discharging temperature range*	-10℃~55℃/-20℃~60℃*
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, EN 62109,EN 62477, EN 62619, EN 61000-6-1, EN 61000-6-3, EN 301 489, EN 300328, EN 300220, ROHS, REACH, UN38.3
Expansion Battery Parameters	
Rated capacity	2048Wh
Max. Charging power	2000W
Max discharging power to nexa 2000	800W
Net weight	≈18kg
Dimensions (L*W*H)	406*235*270mm

*Support -30°C startup and automatically self-heat the device for a certain time to the charge temperature range.



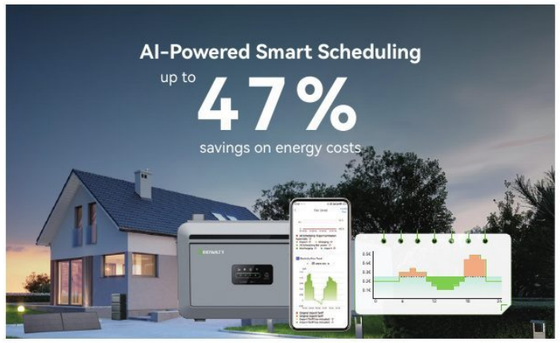
NEXA 2000 NEW

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.



AI-Powered Smart Scheduling

Our system intelligently stores your solar energy and handles automatic switching based on real-time prices, effortlessly reducing your energy costs by up to 47%.



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.



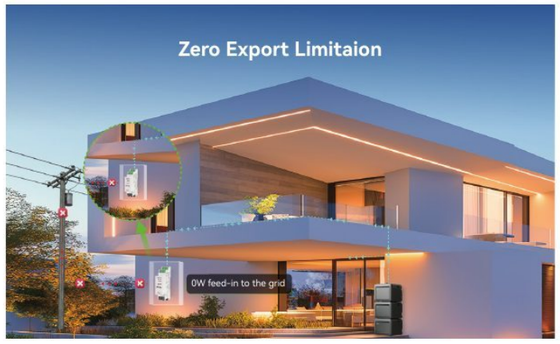
IP66 Waterproof and -30°C Startup

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



Expot Limitation

0W feed-in to the grid



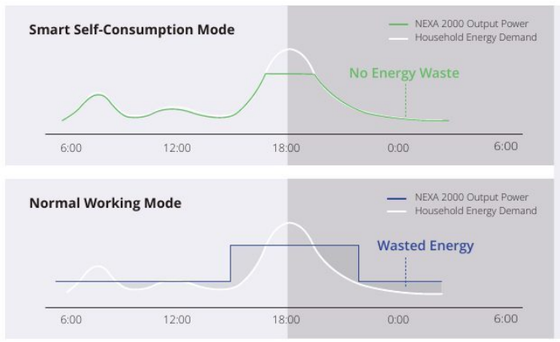
Up to 7200W Solar Input/8192Wh Capacity

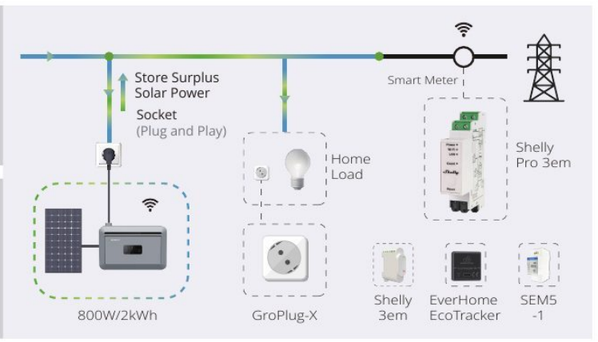
Flexible Expansion, up to 7200W Solar Input/8192Wh Capacity



Power+ Function Boosts the Power Output To 1000W

NEXA offers the ability to manually adjust the output power up to 1000W, providing greater energy flexibility to meet your needs.





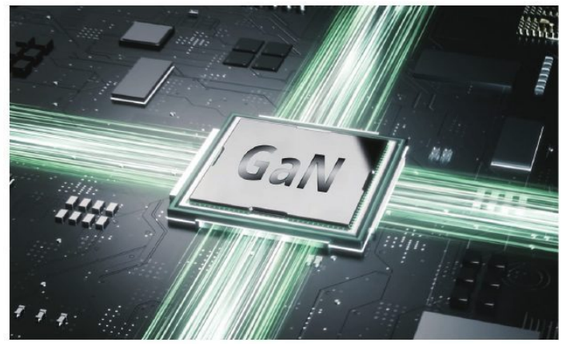
Zero Energy Waste

With Smart 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 Smart Meter: Shelly 3em, Shelly Pro 3em, EverHome EcoTracker, Chargee Sparky P1 meter, SEM5-1. The Chargee Sparky P1 meter is undergoing compatibility matching.



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, Hyper delivers higher efficiency than standard hybrid inverters.