



## NuPower NS5 Series

Power

4 - 12kW

Capacity

5.12 - 20.48kWh



silver XBG black

The NS5 is an energy storage system composed of multiple LFP battery modules (each equipped with built in BMS) which provides optimal safety, life span, and performance.

Each NS5 setup contains up to 10 battery modules in series and achieves usable capacity between 5.12 to 25.6 kWh.



#### PLUG & PLAY

Convenient and flexible



#### FLEXIBLE

Modular rack design for easier installation and smaller footprint



#### INTELLIGENT BMS

Intelligent BMS to ensure safe and reliable operation



#### SAFE AND RELIABLE

High safety, long life, excellent performance  
LiFePo4 prismatic cells



#### LONG LIFE SPAN

Cycle life over 4000 cycles



#### INTERCONNECTION

Multiple communications including RS485, CAN



#### ECO FRIENDLY

No outgassing and zero ambient emissions

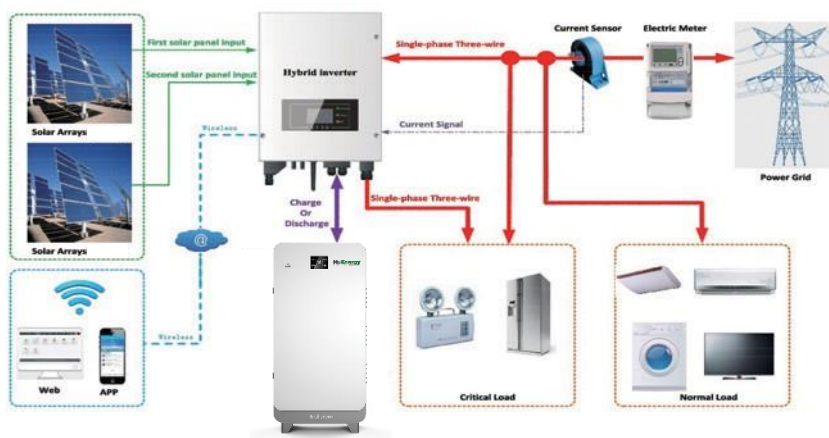


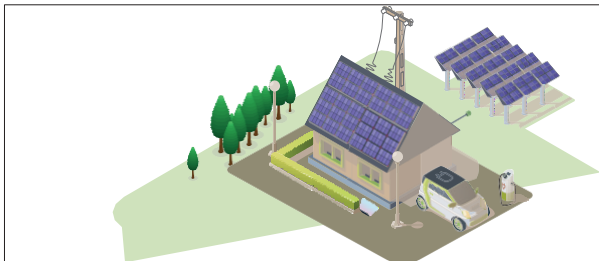
#### EXPANDABLE

Parallel setup available on cabinet level

## AC Coupled Solar System

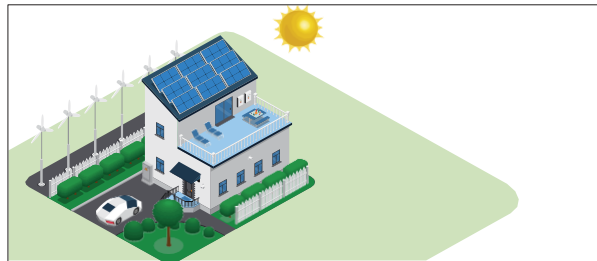
The NS5 is highly compatible with energy storage inverters.





### Residential grid-tied solar with backup power

Secure power for your home during grid outages by retrofitting your grid-tied system with backup power using NuEnergy's proven solutions.



### Self-consumption

Extra PV power charges the battery. When there is little to no PV power, power should be taken from the battery first to minimize power taken from the grid.



### Off-grid power supply

Cut your consumption peak and save money by reducing loads. When the grid is offline, the storage system should automatically switch to off-grid powering in less than 1s for emergency power.



### Backup power

Respond to external power code control in less than 1s, which is sufficient for frequency regulation and peak shaving.



### Community electrification

Cut your consumption peak and save money by reducing loads.

Compatible inverter brands:

Schneider  
Electric

SMA

victron energy

Growatt

GOODWE

SOFAR  
SOLAR

Sermatec

SUN SYNK

STUDER

solis  
inverters

Sol-Ark  
LIMITLESS POWER

# PRODUCT SPECIFICATIONS

	NS5-LV 5005	NS5-LV 5008	NS5-LV 5010	NS5-LV 5013	NS5-LV 10010	NS5-LV10015	NS5-LV 10020	NS5-LV 10026
Master Control Module	NUE-MC500-300X1				NUE-MC100-300X1			
Battery Module	NUE-NS4850-16OSJ1				NUE-NS48100-16OSJ1			
No. of Battery Modules	2	3	4	5	2	3	4	5
Usable Energy [1]	5.12kWh	7.68kWh	10.24kWh	12.8kWh	10.24kWh	15.36kWh	20.48kWh	25.6kWh
Max Output Power [2]	4.5kW	6.5kW	8.5kW	11.5kW	11.5kW	12kW	12kW	12kW
Peak Output Power [3]	6.0kW, 10s	9.0kW, 10s	12.0kW, 10s	13.0kW, 10s	14kW, 10s	14kW, 10s	14kW, 10s	14kW, 10s
Nominal Voltage	51.2V							
Operating Voltage Range	47V~56.8V							
DoD	90%							
Communication	CAN/RS485							
Dimensions	D300*W650*H1450mm							
Net Weight	95kg	131kg	167kg	203kg	107kg	150kg	193kg	236kg
Ingress Protection	IP55							
Warranty [4]	10-year product warranty							
Operating Temperature [5]	-20°C~50°C							
Certification	TUV (IEC62619) / UN38.3 / MSDS							
Scalability	Max. 10 systems in parallel							
Compatible Inverters [6]	Sol-Ark, SMA, Schneider, Victron, Studer, SunSynk, Growatt, GoodWe, Sofar, Ginlong/Solis, Sermatec, and more							
Application	ON Grid (Self consumption / ON Grid + Backup / Backup) and Off Grid							

[1] Test conditions: 100% DoD, 0.2C charge & discharge @ 25°C. System Usable Energy may vary with different inverter brands.

[2] Main circuit breaker maximum current capability.

[3] In off-grid applications, the main circuit breaker should be bypassed and a separate circuit breaker with a larger current capacity should be used instead.

[4] Conditions: Refer to NS5 Warranty.

[5] Performance is derated below 12°C.

[6] Refer to NS5 Compatible Inverter List.

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STORAGE TECHNOLOGIES



NuEnergy Storage Technologies LLC  
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