

NRUIT BATTERY



RESIDENTIAL

Energy Storage System

PRODUCT INFORMATION

DONGGUAN NRUIT ENERGY TECHNOLOGY CO.,LTD



Model	NRT-MES201	NRT-MES401	NRT-MES501
Rated Energy	150WH	360WH	444WH
Cycle	≥500T	≥500T	≥500T
Output Power	100W (120Wmax)	400W	450W (500Wmax)
Weight	1.5kg	4.5kg	4.6kg
Charging	Charge DC 15V / 2A Solar PV 12-20V / 2.5A	Charge DC 15V / 6A Solar PV 12-20V / 6.2A	Charge DC 15V / 4A Solar PV 12-20V / 4.5A
Output	2×AC 110V/220V 3×DC 12V/15A 2×USB 5V/3A	2×AC 110V/220V 3×DC 12V/15A 3×USB 5V/3A	1×AC 110V/220V 3×DC 12V/15A 5×USB 5V/3A
Feature	Outdoor power supply Available for lights / fans / tools / mobile phones, etc	Outdoor power supply with cigarette lighter Available for lights / fans / tools / mobile phones, etc	Outdoor power supply with cigarette lighter Available for lights / fans / tools / mobile phones, etc



Model	NRT-MES4400
Rated Energy	4.4kWh
Cycle	≥5000T
Output Power	2000W (220V/50Hz)
Weight	65kg
Inverter	Internal integrated inverter, AC output
Output	Home backup power Suitable for power supply of household appliances in small and medium power sections



NRT-HES-6100 (120Ah×51.2V)

- Smaller volume
- Higher efficiency
- Higher energy density
- Simple installation mode
- Adopt CATL's lithium iron phosphate cell

Product Parameters	NRT-HES-6100
Battery Data	
Rated Voltage	51.2V
Rated Energy	6.1kWh
Operating Voltage Range	40~58.4V
Allowable Maximum Charge Discharge Current	90A
Rated Discharge Power	4.5kW
Maximum Discharge Power	5kW
General Data	
Size	500×450×200mm
Weight	64kg
IP Rating	IP21
Operating Temp Range	0°C~45°C
StorageTemp Range	-20°C~45°C
Features	
Discharge Depth	90%
Cycle Life	> 5000
Communication Mode	CAN2.0 / RS485
Warranty	5 Years

* When the temperature is lower than 0 °C or higher than 45 °C, the performance of the product will be limited.



NRT-HES-9K (176Ah×51.2V)

- Smaller volume
- Higher efficiency
- Higher energy density
- Simple installation mode
- Adopt CATL's lithium iron phosphate cell

Product Parameters	NRT-HES-9K
Battery Data	
Rated Voltage	51.2V
Rated Energy	9 kWh
Operating Voltage Range	40~58.4V
Allowable Maximum Charge Discharge Current	90A
Rated Discharge Power	4.5kW
Maximum Discharge Power	5kW
General Data	
Size	820×415×230mm
Weight	72kg
IP Rating	IP21
Operating Temp Range	0°C~45°C
StorageTemp Range	-20°C~45°C
Features	
Discharge Depth	90%
Cycle Life	> 5000
Communication Mode	CAN2.0 / RS485
Warranty	5 Years

*When the temperature is lower than 0 °C or higher than 45 °C, the performance of the product will be limited.



NRT-HES-12K (240Ah×51.2V)

- Smaller volume
- Higher efficiency
- Higher energy density
- Simple installation mode
- Adopt CATL's lithium iron phosphate cell

Product Parameters	NRT-HES-12K
Battery Data	
Rated Voltage	51.2V
Rated Energy	12.2kWh
Operating Voltage Range	40~58.4V
Allowable Maximum Charge Discharge Current	180A
Rated Discharge Power	9kW
Maximum Discharge Power	10kW
General Data	
Size	820×415×230mm
Weight	115kg
IP Rating	IP54
Operating Temp Range	0°C~45°C
StorageTemp Range	-20°C~45°C
Features	
Discharge Depth	90%
Cycle Life	> 5000
Communication Mode	CAN2.0 / RS485
Warranty	5 Years

*When the temperature is lower than 0 °C or higher than 45 °C, the performance of the product will be limited.



NRT-HES-24K (480Ah×51.2V)

- Smaller volume
- Higher efficiency
- Higher energy density
- Simple installation mode
- Adopt CATL's lithium iron phosphate cell

Product Parameters	NRT-HES-24K
Battery Data	
Rated Voltage	51.2V
Rated Energy	24.5kWh
Operating Voltage Range	40~58.4V
Allowable Maximum Charge Discharge Current	270A
Rated Discharge Power	13.5kW
Maximum Discharge Power	15kW
General Data	
Size	1246×728×220mm
Weight	230kg
IP Rating	IP54
Operating Temp Range	0°C~45°C
StorageTemp Range	-20°C~45°C
Features	
Discharge Depth	90%
Cycle Life	> 5000
Communication Mode	CAN2.0 / RS485
Warranty	5 Years

*When the temperature is lower than 0 °C or higher than 45 °C, the performance of the product will be limited.



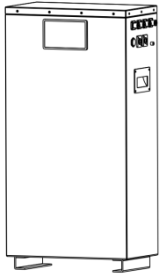
NRT-HES-36K (720Ah×51.2V)

- Smaller volume
- Higher efficiency
- Higher energy density
- Simple installation mode
- Adopt CATL's lithium iron phosphate cell

Product Parameters	NER-HES-36K
Battery Dat	
Rated Voltage	51.2V
Rated Energy	36.8kWh
Operating Voltage Range	40~58.4V
Allowable Maximum Charge Discharge Current	270A
Rated Discharge Power	13.5kW
Maximum Discharge Power	15kW
General Data	
Size	820×415×230mm
Weight	350kg
IP Rating	IP54
Operating Temp Range	0°C~45°C
StorageTemp Range	-20°C~45°C
Features	
Discharge Depth	90%
Cycle Life	> 5000
Communication Mode	CAN2.0 / RS485
Warranty	5 Years

*When the temperature is lower than 0 °C or higher than 45 °C, the performance of the product will be limited.

How to use our product



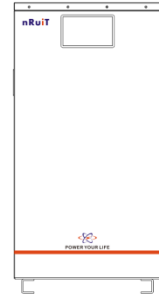
NRT-HES-12K



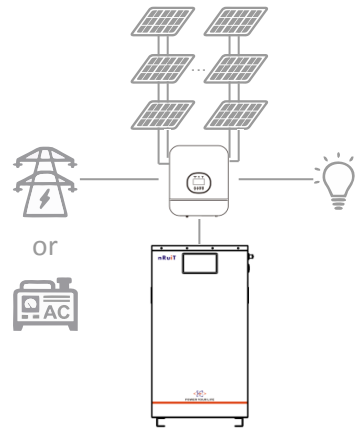
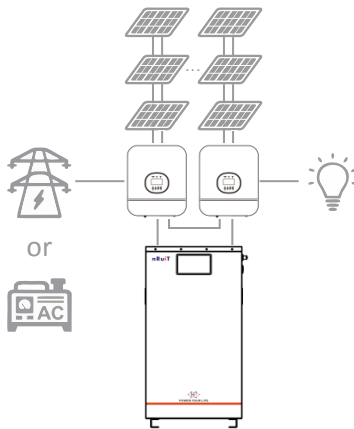
Power Cable×4



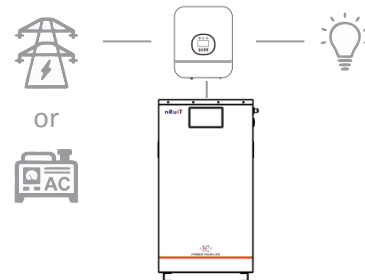
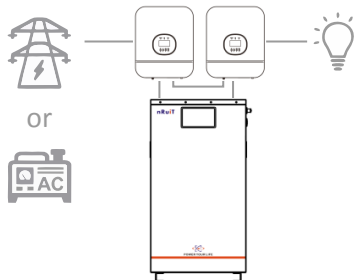
COM Cable×1



PV + Inverter + NRUIT Battery



Power Backup



POWER YOUR LIFE



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