

Specification		
<b>Parameters</b>	<b>51.2NESR200</b>	
Nominal Voltage(v)	51.2	
Nominal Capacity(Ah)	200	
Nominal Energy(Kwh)	10.24	
Discharge Current (A) (Max.)	200	
Charge Voltage(V)	57.6±0.5	
Charge Current (A)(Recomm.)	40	
Charge Current (A)(Max.)	200	
Typical Weight(kg)	85	
Dimensions(W*D*H)(mm)	442.5X540X230	
Status Indicators	SOC/RUN/ALM	
Communication Ports	CAN/RS485	
Communication In Parallel	16	
Switch	Available	
Operating Temperature	Discharge	Max.: -20 ~ 60°C,Recommend: 10~35°C
	Charge	Max.: 0 ~ 60°C,Recommend: 10~35°C
Storage Temperature	0~40°C	
Humidity	5%-95%	
Cycle Life (25°C)	≥6000	
IP Level	IP20	
Scalability	Up to 163.84kWh (16 groups)	
LCD	Available	
Gryo/Communication Antitheft	Optional	



## Company

Zhejiang Narada Power Source Co., Ltd., which has long been dedicated to the development and application of energy storage technology and products, provides products, system integration and services based on lithium battery and lead battery in the field of new energy storage and industrial energy storage, and has created the whole industrial chain from lithium battery manufacturing, system integration, operation services to lithium resource recycling, forming an integrated and energy storage centered landscape and constructing the whole energy storage industry ecosystem.



## Parallel Expansion



Battery Module	2	3	4	5	6
Energy (kWh)	20.48	30.72	40.96	51.2	61.44
Voltage Range(V)	43.2 ~57.6				
Dimension (W*D*H)mm	555*550*560	555*550*840	555*550*1120	555*550*1400	555*550*1680
Weight(kg)	172	258	344	430	516
Recommend Charge Current(A)	40	60	80	100	120
Max. Continuous Charge Current(A)	200	250	300	350	400
Max. Continuous Discharge Current(A)	200	250	300	350	400

## Certifications



### Zhejiang Narada Power Source Co., Ltd

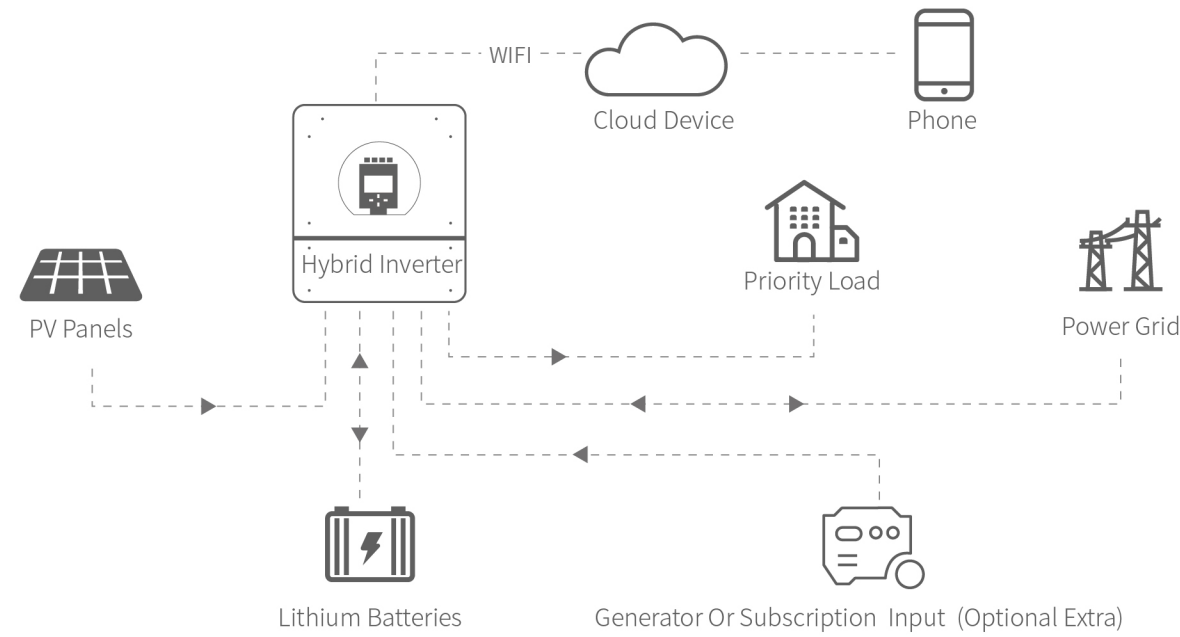
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# RESIDENTIAL ENERGY STORAGE SYSTEM



## Narada Residential Energy Storage System Solutions



## Technical Characteristics

Narada NESR series LFP batteries are widely used in residential energy storage, small UPS system, photovoltaic off-grid base station, etc. It has excellent charge-discharge performance, long service life, high safety and reliability with portable modular installation, which is suitable for 19-inch cabinet or stack installation.



Deep cycling and long service life



Modular design and easy to install



Excellent safety performance



Communication Mode: CAN, RS485



Supporting parallel expansion



Good compatibility and wide application

Specification		
Parameters	NESR48100	
Nominal Voltage(v)	48	
Nominal Capacity(Ah)	100	
Nominal Energy(Kwh)	4.8	
Discharge Current (A) (Max.)	100	
Charge Voltage(V)	54±0.5	
Charge Current (A)(Recomm.)	20	
Charge Current (A)(Max.)	100	
Typical Weight(kg)	40	
Dimensions(W*D*H)(mm)	442.5X440X133.5	
Status Indicators	SOC/RUN/ALM	
Communication Ports	CAN/RS485	
Communication In Parallel	16	
Switch	Available	
Operating Temperature	Discharge	Max.: -20 ~ 60°C,Recommend:10~35°C
	Charge	Max.: 0 ~ 60°C,Recommend:10~35°C
Storage Temperature	0~40°C	
Humidity	5%~95%	
Cycle Life (25°C)	≥6000	
IP Level	IP20	
Scalability	Up to 76.8kWh (16 groups)	

### Parallel Expansion



Battery Module	2	3	4	5	6
Energy (kWh)	9.6	14.4	19.2	24	28.8
Voltage Range(V)	40.5~54				
Dimension (W*D*H)mm	442.5*440*304	442.5*440*456	442.5*440*608	442.5*440*760	442.5*440*912
Weight(kg)	82	123	164	205	246
Recommend Charge Current(A)	40	60	80	100	120
Max. Continuous Charge Current(A)	120	150	180	200	210
Max. Continuous Discharge Current(A)	120	150	180	200	210

Note: Supporting up to 6 layers of stacked installation.

Specification		
Parameters	51.2NESR100	
Nominal Voltage(v)	51.2	
Nominal Capacity(Ah)	100	
Nominal Energy(Kwh)	5.12	
Discharge Current (A) (Max.)	100	
Charge Voltage(V)	57.6±0.5	
Charge Current (A)(Recomm.)	20	
Charge Current (A)(Max.)	100	
Typical Weight(kg)	42	
Dimensions(W*D*H)(mm)	442.5X440X133.5	
Status Indicators	SOC/RUN/ALM	
Communication Ports	CAN/RS485	
Communication In Parallel	16	
Switch	Available	
Operating Temperature	Discharge	Max.: -20 ~ 60°C,Recommend:10~35°C
	Charge	Max.: 0 ~ 60°C,Recommend:10~35°C
Storage Temperature	0~40°C	
Humidity	5%~95%	
Cycle Life (25°C)	≥6000	
IP Level	IP20	
Scalability	Up to 81.92kWh (16 groups)	

### Parallel Expansion



Battery Module	2	3	4	5	6
Energy (kWh)	10.24	15.36	20.48	25.6	30.72
Voltage Range(V)	40.5~54				
Dimension (W*D*H)mm	442.5*440*304	442.5*440*456	442.5*440*608	442.5*440*760	442.5*440*912
Weight(kg)	86	129	172	215	258
Recommend Charge Current(A)	40	60	80	100	120
Max. Continuous Charge Current(A)	120	150	180	200	210
Max. Continuous Discharge Current(A)	120	150	180	200	210

Note: Supporting up to 6 layers of stacked installation.