

Company

Established in 1994, Zhejiang Narada Power Source Co., Ltd. (Stock Code: 300068) provides products, system integration and services with lithium batteries and lead batteries as the core for the four application fields of smart energy storage, data center, industrial backup and electric vehicle. At the same time, Narada has created two industrial closed loops of "lithium battery recycle industrial chain" and "lead battery recycle industrial chain". The Company has carried out sales over 158 countries and regions around the world, and our products and solutions are well recognized worldwide.



Certifications



TL9000

SA8000

ISO9001

IATF16949

ISO14001

ISO45001

Narada Power Source Co., Ltd.

Building C No. 822 West Wen'er Road, Hangzhou, Zhejiang, China
Website: en.naradapower.com

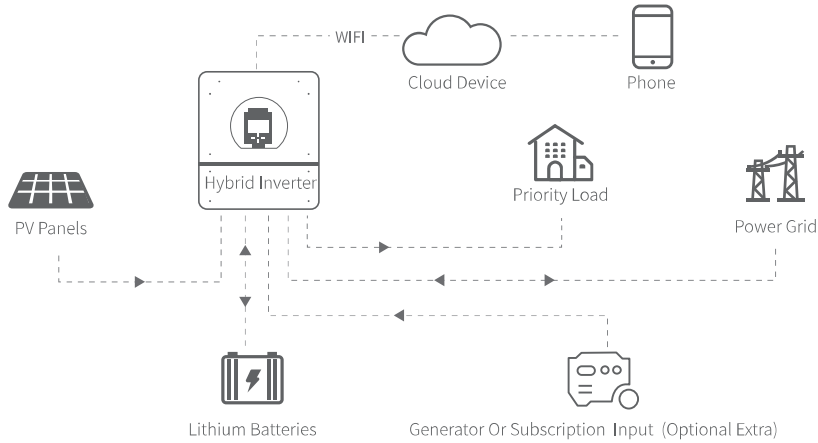
Tel:+86-571-56975980
E-mail: intl@naradapower.com

Copyright Narada Power Source Co., Ltd. 2022.6 All rights reserved.
Ver 1.0-EN Jun-22 , Subject to revision without prior notice.

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.