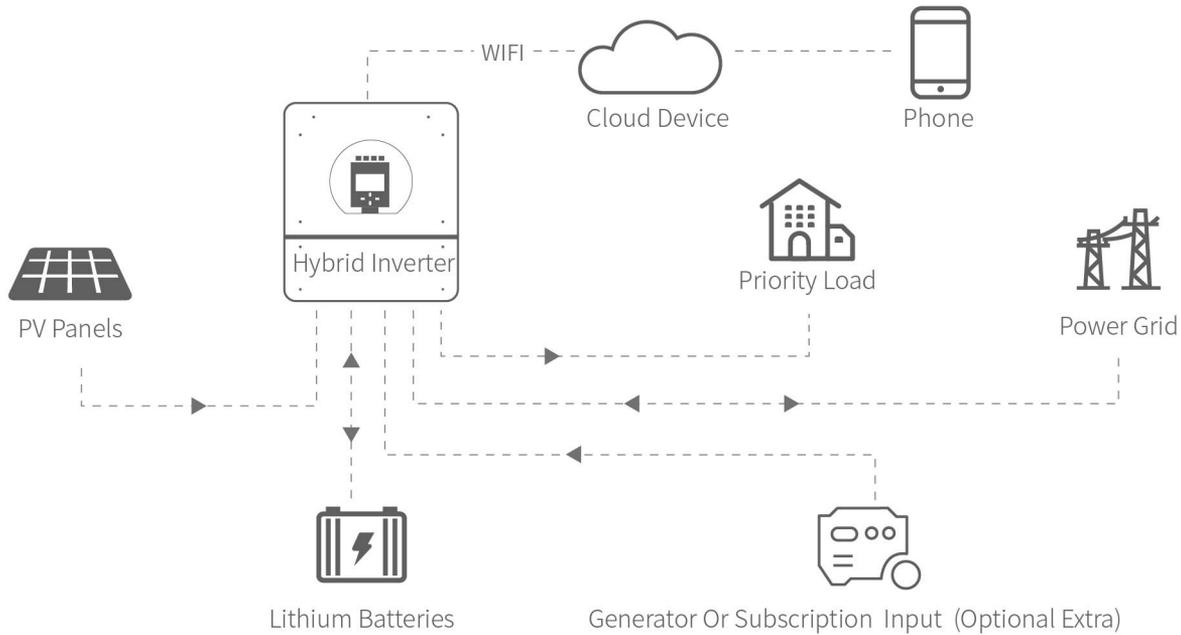


# RESIDENTIAL ENERGY STORAGE SYSTEM



## 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		NESR48100-16S
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%
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)	43.2~57.6				
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.					

integrated inverter list

S/N	Inverter Brand	Type	Communication
1	Growatt	SPF 5000 ES	CAN
2	Solis	RHI-5K-48ES-5G/ S6-EH1P6K-L-PRO	CAN
3	Voltronic	Axpert-KING 5KW Rack	RS485
4	Deye	SUN-5K-SG03LP1-EU	CAN
5	SMA	SUNNY-ISLAND-SI8.0H-12	CAN
6	Studer	XTS 1400-48	CAN
7	Megarevo	Hb-5KL1-M	CAN
8	Must	PV18-5048VHM	CAN
9	Luxpower	LXP 6K	CAN
10	Victron	Quattro II 48/5000/70-50/50	CAN
11	Zonergy	Venus 5000-S1	CAN



Growatt



Voltronic



Solis

More inverter brands are being integrated...

# Company

Established in 1994, Narada Power Source Co., Ltd. provides products, system integration and services with lithium batteries and lead batteries as the core for the four application fields of data center, smart energy storage, industrial backup and green transportation. At the same time, Narada has created two industrial closed loops of "lead battery cycle industrial chain" and "lithium battery cycle industrial chain". We have carried out sales over 158 countries and regions around the world. Our advanced and reliable solutions have been well recognized all worldwide.



# Certifications



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