

0.5C NESP Module and Rack System

633-864V and 950-1296V



The Narada NESP Series

The Narada NESP Series LFP High Capacity Lithium Iron Phosphate batteries are designed for a broad range of Battery Energy Storage Solutions (BESS) providing a wide operating temperature range, while delivering exceptional warranty, safety, and life. Whether used in cabinet, container or building applications, NESP Series batteries will meet any energy storage solution need.

Module & Rack Design

FEATURES

- 0.5C to 2.0C options available
- 633VDC to 1292VDC Charge Voltage Options
- Frequency Regulation
- Peak Shifting
- Curtailment/Demand Response
- Reserve Power
- High LFP Energy Density
- Passive & Active Thermal Ventilation
- Designed for Containerized, Cabinet, and Building Solutions

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NESP Module & Rack Specification 633 to 864V

Item	Module	11 Module	13 Module	15 Module
0.5 C	51.2NESP250	512125141	512125166	512125192
Cell Capacity	250Ah.	250Ah.	250Ah	250Ah
Energy	12.8 kwh	141 kwh	166 kwh	192 kwh
Nominal Volt	51.2V	563.2V	665.6V	768V
Minimum Volt.	44.8 V	492.8V.	582.4V	672V
Maximum Volt.	57.6 V	633.6 V.	748.8V	864V
Dimensions	415x600x265mm 16.3x23.6x10.4 in	1000x650x1860 mm 39.4x25.6x73.2 in	1000x650x2130 mm 39.4x25.6x83.9 in	1000x650x2400 mm 39.4x25.6x94.5 in
Weight	94kg 207lbs	1372kg 3025lbs	1586kg 3497lbs	1798kg 3964lbs

NESP Module & Rack Specification 950 to 1296V

Item	Module	11 Module	13 Module	15 Module
0.5 C	76.8	844.8	998.4	1152
Cell Capacity	250Ah	250Ah	250Ah	250Ah
Energy	19.2 kwh	211 kwh	250 kwh	288 kwh
Nominal Volt	76.8V	844.8V	998.4V	1152V
Minimum Volt.	67.2 V	739.2V	873.6V	1008V
Maximum Volt.	86.4 V	950.4 V.	1123.2V	1296V
Dimensions	4400x884x265mm 15.7x34.8x10.4 in	1000x938x1860 mm 39.4x36.9x73.2 in	1000x938x2130 mm 39.4x36.9x83.9 in	1000x938x2400 39.4x36.9x94.5 in
Weight	141kg 311lbs	1931kg 4257lbs	2253kg 4967lbs	2575kg 5677lbs

SAFETY CERTIFICATIONS

UL 9540 | UL 9540A | UL 1973 | UL 1642 | IEC 62619 | IEC 61508 | UL 991 | UL 1998 | UL60730-1 | NFPA 70E | NFPA 70 | ANSI/IEEE C-2 | UL 60950 | NFPA 551 | NFPA 550 | IEC 60812 | IEC 61025 | MIL-STD-1629A | UL1778 | UL1598 | UL8750 | UL1012 | UL1995 | UN 38.3 | IEC 62281

PERFORMANCE & GRID INTERCONNECT CERTIFICATIONS

IEC61427-2 2015 | IEC 62620 | PNNL-22010 | UL 1741 (SA) | IEEE 1547 | ANSI/IEC 60529 | NEMA 250 | UL 50E | IEEE 693-2005

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1C NESP Module and Rack System

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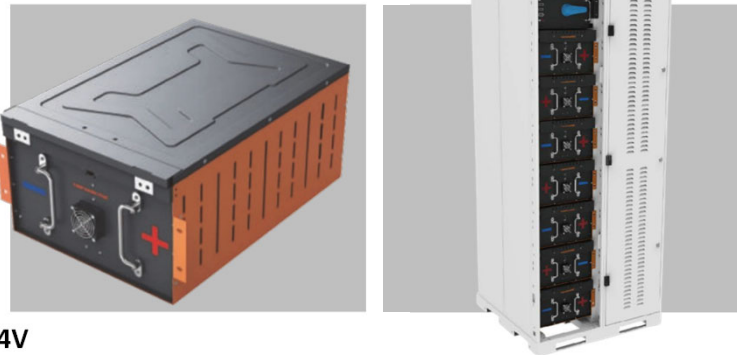
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1C NESP Module and Rack System

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NESP Module & Rack Specification 633 to 864V

Item	Module	11 Module	13 Module	15 Module
1C	51.2NESP200	7512100113	512100133	512100154
Cell Capacity	200Ah	200Ah	200Ah	200Ah
Energy	10.2 kWh	113 kWh	133 kWh	154 kWh
Nominal Volt	51.2 V	563.2 V	665.6 V	768 V
Minimum Volt.	44.8 V	492.8 V	582.4 V	672 V
Maximum Volt.	57.6 V	633.6 V	748.8V	864V
Dimensions	415x600x265mm 16.3x23.6x10.4 in	1000x650x1860 mm 39.4x25.6x73.2 in	1000x650x2130 mm 39.4x25.6x83.9 in	1000x650x2400 mm 39.4x25.6x94.5 in
Weight	89 kg 196 lbs	1317 kg 2903 lbs	1521 kg 3353 lbs	1723 kg 3799 lbs

NESP Module & Rack Specification 950 to 1296V

Item	Module	11 Module	13 Module	15 Module
1C	76.8NESP200	768100169	768100200	768100230
Cell Capacity	200Ah	200Ah	200Ah	200Ah
Energy	15.4 kWh	169 kWh	200 kWh	230 kWh
Nominal Volt	76.8V	844.8V	998.4V	1152V
Minimum Volt.	67.2 V	739.2V	873.6V	1008V
Maximum Volt.	86.4 V	950.4 V.	1123.2V	1296V
Dimensions	4400x884x265mm 15.7x34.8x10.4 in	1000x938x1860 mm 39.4x36.9x73.2 in	1000x938x2130 mm 39.4x36.9x83.9 in	1000x938x2400 39.4x36.9x94.5 in
Weight	134kg 295 lbs	1849 kg 4076 lbs	2156 kg 4753 lbs	2462.5 kg 5430lbs

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UL 9540 | UL 9540A | UL 1973 | UL 1642 | IEC 62619 | IEC 61508 | UL 991 | UL 1998 | UL60730-1 | NFPA 70E | NFPA 70 | ANSI/IEEE C-2 | UL 60950 | NFPA 551 | NFPA 550 | IEC 60812 | IEC 61025 | MIL-STD-1629A | UL1778 | UL1598 | UL8750 | UL1012 | UL1995 | UN 38.3 | IEC 62281

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2C NESP Module and Rack System

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2C NESP Module and Rack System

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NESP Module & Rack Specification 633 to 864V

Item	Module	11 Module	13 Module	15 Module
2C	51.2NESP160	5128090	51280106	51280123
Cell Capacity	160Ah	160Ah	160Ah	160Ah
Energy	8.2 kWh	90 kWh	106 kWh	123 kWh
Nominal Volt	51.2 V	563.2 V	665.6 V	768 V
Minimum Volt.	44.8 V	492.8 V	582.4 V	672 V
Maximum Volt.	57.6 V	633.6 V	748.8V	864V
Dimensions	415x600x265mm 16.3x23.6x10.4 in	1000x650x1860 mm 39.4x25.6x73.2 in	1000x650x2130 mm 39.4x25.6x83.9 in	1000x650x2400 mm 39.4x25.6x94.5 in
Weight	74 kg 163 lbs	1150 kg 2535 lbs	1323 kg 2917 lbs	1495 kg 3296 lbs

NESP Module & Rack Specification 950 to 1296V

Item	Module	11 Module	13 Module	15 Module
2C	76.8NESP160	76880135	76880160	76880184
Cell Capacity	160Ah	160Ah	160Ah	160Ah
Energy	12.3 kWh	135 kWh	160 kWh	184 kWh
Nominal Volt	76.8V	844.8V	998.4V	1152V
Minimum Volt.	67.2 V	739.2V	873.6V	1008V
Maximum Volt.	86.4 V	950.4 V.	1123.2V	1296V
Dimensions	4400x884x265mm 15.7x34.8x10.4 in	1000x938x1860 mm 39.4x36.9x73.2 in	1000x938x2130 mm 39.4x36.9x83.9 in	1000x938x2400 39.4x36.9x94.5 in
Weight	111kg 245 lbs	1598 kg 3523 lbs	1859 kg 4098 lbs	2121 kg 4676 lbs

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UL 9540 | UL 9540A | UL 1973 | UL 1642 | IEC 62619 | IEC 61508 | UL 991 | UL 1998 | UL60730-1 | NFPA 70E | NFPA 70 | ANSI/IEEE C-2 | UL 60950 | NFPA 551 | NFPA 550 | IEC 60812 | IEC 61025 | MIL-STD-1629A | UL1778 | UL1598 | UL8750 | UL1012 | UL1995 | UN 38.3 | IEC 62281

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