

NV POWER STATION

NV-C24

COMPACT RANGE: BACKUP POWER, FIELD WORK AND SITE OFFICE



2 232 Wh
CAPACITY

2 400 W
CONTINUOUS

4 500 W
PEAK

20,5 kg
WEIGHT

TECHNICAL DATA SHEET

2014/30/EU (EN55032:2015/A11:2020 · EN55035:2017/A11:2020 · IEC 61000-3-2:2019 · EN61000-3-3:2013+A1:2019) · EMC 2014/35/EU (EN62368-1:2014+A11:2017) · LVD 2011/65/EU RoHS

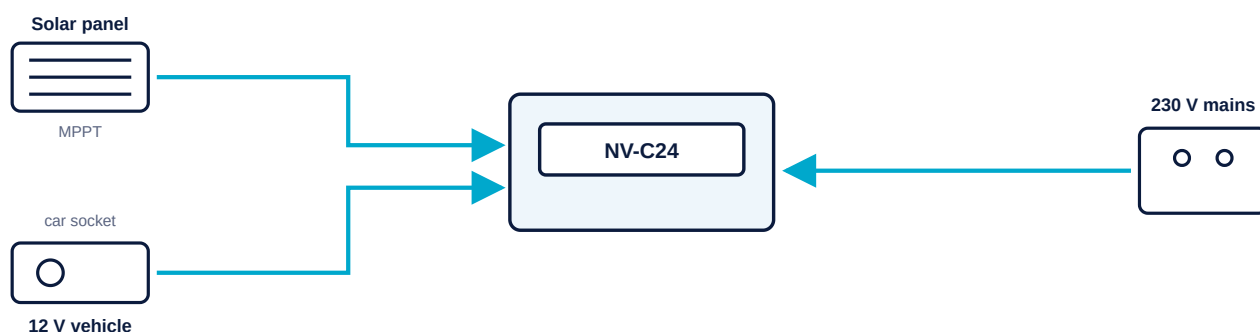


Specification	NV-C24
BATTERY	
Rated capacity	2,232 Wh, 48 V / 46.5 Ah
Cell type	Grade A LiFePO4 cells
Estimated service life	3,500 cycles > 80% · 4,000 cycles > 70%
Expansion	Not expandable: add a second unit on a separate circuit
230 V OUTPUT	
Rated power	2,400 W
Boost mode	2,600 W
Peak power	4,500 W
Waveform	Pure sine wave
AC outlets	4 × 230 V / 50 Hz, type E/F, 16 A max per outlet
UPS switchover	< 20 ms
USB AND 12 V OUTPUTS	
USB-C	2 × USB-C PD, 140 W max
USB-A	4 × USB-A QC 3.0, 18 W max
12 V outputs	1 × car socket 12 V / 10 A · 2 × DC 5521 12 V / 10 A
Total ports	13
CHARGING INPUTS	
Mains	700 W (190-250 V AC)
Mains charging time	≈ 3 h 12 min to full
Solar input	Anderson: 12-78 V DC · MPPT 16-70 V · 13 A · 800 W max
Solar regulation	Built-in MPPT
Compatible panels	1 to 3 NV-S240 in series, 720 W · 1 to 3 NV-S100 in series or 2 in parallel, 300 W
Vehicle charging	Yes, car charging cable not supplied
Simultaneous charge and output	Yes
GENERAL	
Dimensions	457 × 270 × 310 mm
Net weight	20.5 kg
Ingress protection	IP21: indoor or sheltered use
Operating temperature	Discharge -20 °C to 40 °C · charging 0 °C to 40 °C
App control	Smartphone app: Bluetooth and Wi-Fi
Compliance	CE · RoHS · FCC
Warranty	2 years, optional 3rd-year extension

KEY FEATURES

- **Eleven outputs** on a single unit: four 230 V outlets, two 140 W USB-C ports, four USB-A ports and a 12 V car socket.
- **2,400 W continuous, 2,600 W in Boost, 4,500 W peak:** drills, sanders, area lighting and small tools start without tripping the unit.
- **Grade A LiFePO4 battery:** 3,500 cycles above 80% capacity, 4,000 cycles above 70%.
- **Backup switchover under 20 ms:** computers, drawing servers, routers and cameras stay up through a mains failure.
- **Pure sine wave:** safe for IT equipment and measuring instruments.
- **Three charging sources:** mains, solar with built-in MPPT, and 12 V vehicle, cable supplied for all three.
- **20.5 kg:** carried from one workstation to the next by one person.
- **-20 to 40 °C:** the widest operating range in the range.

THREE CHARGING SOURCES



PRODUCT VIEWS



Front panel

1. Main power button
2. IoT button
3. 12 V / 10 A car socket
4. DC 5521 outputs
5. DC output button
6. Four 230 V outlets
7. 230 V output button
8. USB-A ports
9. Control screen
10. 140 W USB-C ports



Side: ventilation



Top: built-in handles

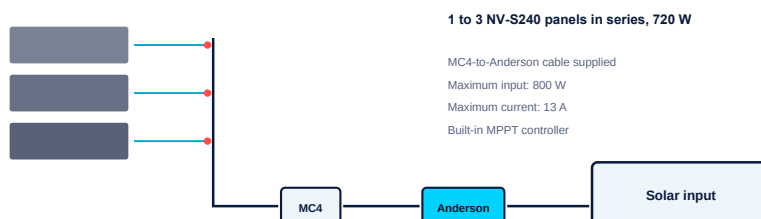
Mains input and solar / vehicle input (Anderson) on the rear face, with the overload protection. The four 230 V outlets and the USB and DC outputs are switched separately by their own button.

Illustration: not a contractual representation.

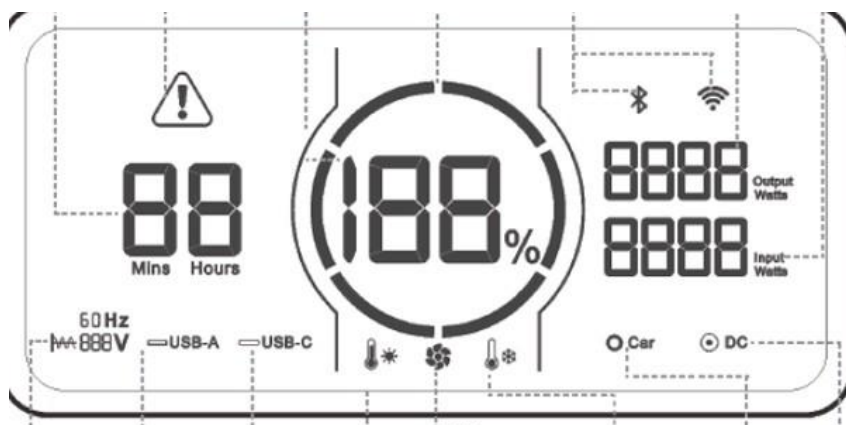
SOLAR CONNECTION



NV-S100: 100 W



CONTROL PANEL



- | | | |
|----------------------------|-----------------|---------------------------|
| 1. Fault warning | 2. Charge ring | 3. Remaining capacity |
| 4. Input power | 5. Output power | 6. Voltage and frequency |
| 7. 230 V AC output | 8. USB-A output | 9. USB-C output |
| 10. High-temperature alarm | 11. Cooling fan | 12. Low-temperature alarm |
| 13. Car socket output | 14. DC output | |

IN USE



Site office



Mobile team



Workshop and small tools



NV-S100 solar charging

Illustration: not a contractual representation.

WHAT'S IN THE BOX



Illustrative packaging

The power station	x 1
Mains charging cable	x 1
MC4-to-Anderson cable (solar)	x 1
Car-socket-to-Anderson cable (vehicle)	x 1
Warranty card	x 1
User manual	x 1

CONTACT

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For a quotation, tell us the equipment to be powered, the runtime required per workstation and the number of units. A priced configuration is sent back within one working day.