



TECHNICAL DATA SHEET

Extension batteries

An NV station is not a closed product. When the runtime is no longer enough, add a battery: same LiFePO4 chemistry, same electronics, one cable. Capacity goes up; output power and floor footprint stay the same.

2 048 Wh

NV-B2

5 040 Wh

NV-B5

W36 · W50 35.3 kWh

NV STATIONS

MAXIMUM REACHABLE

THE TWO BATTERIES

NV-B2

2 048 Wh

2,048 Wh of LiFePO₄, with its own solar input and its own outputs. Set beside the station, it extends runtime without going through the main unit.

NV-B5

5 040 Wh

5,040 Wh of LiFePO₄. A slave battery: it has no outputs of its own and is driven entirely from the station.

HOW MANY CAN I ADD?

STATION	BATTERY	BASE CAPACITY	EXTENSIONS	TOTAL
NV-W36	NV-B2	3 072 Wh	6 × 2 048 Wh	15,4 kWh
NV-W50	NV-B5	5 040 Wh	6 × 5 040 Wh	35,3 kWh

Number of units as per current NV documentation. A larger configuration is electrically possible: please consult us before ordering.

Never connect or disconnect an extension battery while the station is on. Switch off both the station **and** the battery before plugging in the extension cable.

NV-B2: 2,048 WH EXTENSION BATTERY

Specification	NV-B2
BATTERY	
Capacity	2 048 Wh, 51,2 V / 40 Ah
Chemistry	LiFePO4 (LFP)
Cycle life	3,500 cycles and more, about 10 years at one charge per day
Battery port range	44 to 56,5 V
OWN OUTPUTS	
Car socket	12 V / 10 A, 120 W
USB-A	18 W max
USB-C	100 W max
Anderson	12 V / 30 A
INPUTS	
Solar input	12-148 Vdc · MPPT 18-140 V · 15 A · 2,100 W max
Car charge input	12-15 V / 8,5 A
MECHANICAL AND ENVIRONMENT	
Dimensions	460 × 270 × 255 mm
Weight	19 kg
Operating temperature	0 °C ... 40 °C
Storage temperature	−20 °C ... 60 °C
Certifications	CE · RoHS · FCC
Compatible stations	NV-W36: up to 6 modules, i.e. 15.4 kWh in total

NV-B5: 5,040 WH EXTENSION BATTERY

Specification	NV-B5
BATTERY	
Capacity	5 040 Wh, 48 V / 105 Ah
Chemistry	LiFePO4 (LFP)
Cycle life	3,500 cycles and more
Battery port range	41,2 to 53,5 V
OWN OUTPUTS	
Outputs	None: slave battery
MECHANICAL AND ENVIRONMENT	
Dimensions	641,5 × 304,5 × 437,5 mm
Weight	43,85 kg
Operating temperature	0 °C ... 40 °C
Storage temperature	−20 °C ... 60 °C
Certifications	CE · RoHS · FCC
Compatible stations	NV-W50: up to 6 modules, i.e. 35.3 kWh in total