

Nedap PowerRouter⁺ Your complete self-consumption package



PowerRouter
love your energy



Maximize your self-consumption

The perfect solution for optimizing your self-consumption of solar energy: the new PowerRouter⁺

The PowerRouter Self-consumption pack (PowerRouter⁺) is the perfect solution for optimizing your self-consumption of solar energy. It provides energy automatically where it is needed: for electrical appliances, the batteries, additional consumers or to feed into the grid.

With the PowerRouter you can increase your level of self-consumption to 70% compared to 20% with a standard solar inverter. Obviously, this makes you more and more independent from rising energy prices and lowering feed-in tariffs.

Maximize your energy consumption: **up to 70%!**

The complete package from Nedap

10 year Nedap warranty on PowerRouter Solar Battery inverter and PowerRouter SunSave Li-Ion battery.



» 10-Year warranty

The PowerRouter Plus is available with an optional 10-year warranty package on both the Solar Battery inverter and the PowerRouter SunSave Li-Ion battery. Due to the full integration of the technology and the maintenance-free nature of the product, no additional yearly maintenance on the batteries is required to fulfil warranty conditions.

» Flexible installation.

The fact that the Solar Battery unit and the SunSave battery unit can be wall-mounted independently, creates a high degree of optionality for installers that are installing in technical areas in which already other installations or systems are present. Due to the smartly integrated concept, installing the system can literally be done in only a couple of steps. Additionally, the fact that the system only consists of 3 different components, makes installation flexible and easy.

Second-to-none industry experience from Nedap

Nedap was established in 1929 and is a manufacturer of intelligent technological solutions for relevant themes. Sufficient food for a growing population, clean drinking water throughout the world and smart networks for sustainable energy are just a couple of examples of themes Nedap is working on.

Nedap has over 20 years of experience in the industry of battery-managers. With the introduction of the PowerRouter, Nedap was one of the first parties to offer a complete self-consumption solution in 2009. The batteries used in the PowerRouter SunSave battery pack, are fully developed by LG Chem.

LG Chem is leading the world lithium-ion battery market, as it is ranked as global No.1 in the automotive and Energy Storage System battery markets. LG Chem is one of the 2 biggest global players in terms of mobile battery business and has been continuously increasing its market shares.

Independency from rising energy prices

Get to know the Powerrouter family



» PowerRouter⁺ Solar Battery

The PowerRouter Solar Battery is the perfect solution for optimising your self-consumption of solar energy. An innovative all-in-one solution, it consists of a solar inverter and integrated Battery Manager which provides energy automatically where it is needed: for electrical appliances, the batteries, additional consumers or to feed into the grid.

Perfect innovative all-in-one solution for optimising your self-consumption of solar energy.

- » Solar Inverter
- » Battery Manager
- » 48V Li-Ion battery
- » Energy management
- » Online monitoring
- » Dynamic feed-in limiter
- » Backup power feature
- » Two output capacities: 3.7 or 5.0 kW
- » 5 Year warranty + 5 year optional

Technical data PowerRouter Solar Battery – for 48Vdc Lithium-Ion Batteries

Order no.	Output (AC)	Solar	48Vdc	Dimensions	Warranty
PR50SBI-BS/S48	5,0 kW	5,0 kW	5,0	765 x 502 x 149mm	5 yr / optional: 10 yr
PR37SBI-BS/S48	3,7 kW	3,7 kW	3,7	765 x 502 x 149mm	5 yr / optional: 10 yr

More specifications available on www.powerrouter.com or the PowerRouter Solar Battery datasheet.



» PowerRouter sunsave

The PowerRouter SunSave is a high-end Li-Ion Battery pack starting from 6.4 kWh. During its lifetime the battery can be expanded with a 3.2 kWh expansion module when you need it.

The flexible solution - expandable when needed.

- » 48V Li-Ion battery
- » 3.2 kWh Battery Expansion Pack available
- » Battery expansion possible during entire battery lifetime
- » 10 Year LG Chem warranty

Technical data PowerRouter SunSave – Li-Ion Battery

Nominal Energy (Wh)	6.4kWh (0.3C)
Dimension (mm) [Width x Height x Depth]	406 x 664 x 165
Weight (kg)	60kg
Faradic Charge Efficiency (25°C/77°F)	99%
Battery Roundtrip Efficiency (C/1, 25°C/77°F)	> 95%
Expected Lifetime at +25°C(+77°F)	> 10 years
Expected Cycle life (91% DOD; +25°C/+7°F)	> 6,000 cycles
Cell Safety	IEC 62133
Pack Safety (Certification)	CE, IEC62619

More specifications available on www.powerrouter.com or the PowerRouter SunSave datasheet.



» PowerRouter⁺ Unifit

The PowerRouter Unifit is unique. A revolutionary retrofit unit, it upgrades already installed photovoltaic, wind or co-generation systems - regardless manufacturer into an energy storage system. A universal battery manager that is fully flexible and compatible with any inverter. And the PowerRouter Unifit comes with all PowerRouter performance features, including practical online monitoring.

Revolutionary unit that upgrades all existing systems.

- » Universal retrofit
- » 48V Li-Ion battery
- » Compatible with all AC-connected inverters
- » Energy management
- » Dynamic feed-in limiter
- » Online monitoring
- » Backup power feature
- » Connection of 48 V lithium-ion batteries
- » Two output capacities: 3.7 or 5.0 kW
- » Free online monitoring of existing solar system
- » 5 year warranty + 5 year optional

Technical data PowerRouter Unifit – for 48V Lithium-Ion Batteries

Order no.	Output (AC)	Solar	48Vdc	Dimensions	Warranty
PR50Bi-BS/S48	5,0 kW	n.a.	5,0	545 x 502 x 149mm	5 yr / optional: 10 yr
PR37Bi-BS/S48	3,7 kW	n.a.	3,7	545 x 502 x 149mm	5 yr / optional: 10 yr

More specifications available on www.powerrouter.com or the PowerRouter Unifit datasheet.



» PowerRouter⁺ Connect

The PowerRouter Connect is an innovative expansion module for energy storage. An intelligent battery manager that combined with lithium-ion batteries expand your PowerRouter Solar into a solar storage system. Easy to use, thanks to its plug & play capability. Depending on the size and capacity of your PV system, you can increase your self-consumption from 20 to 70%.

Easy to use expansion module, thanks to its plug & play capability.

- » Expansion module
- » Battery Manager
- » 48V Li-Ion battery
- » Energy management
- » Backup power feature
- » Easy installation (plug & play)
- » 5 year warranty + 5 year optional

Technical data PowerRouter Connect – for 48V Lithium-Ion Batteries

Order no.	Output (AC)	Solar	48Vdc	Dimensions	Warranty
PR-Bi/S48	3,0 - 5,0 kW	n.a.	3,0 - 5,0	330 x 502 x 149mm	5 yr / optional: 10 yr

More specifications available on www.powerrouter.com or the PowerRouter Connect datasheet.

Visitor adress:
Parallelweg 2
7141 DC Groenlo
The Netherlands

Tel.:
+31 544 471 888
E-Mail:
info@PowerRouter.com

Postal adress:
P.O. Box 101
7140 AC Groenlo
The Netherlands

Partners/dealers:



PowerRouter
love your energy

www.PowerRouter.com

