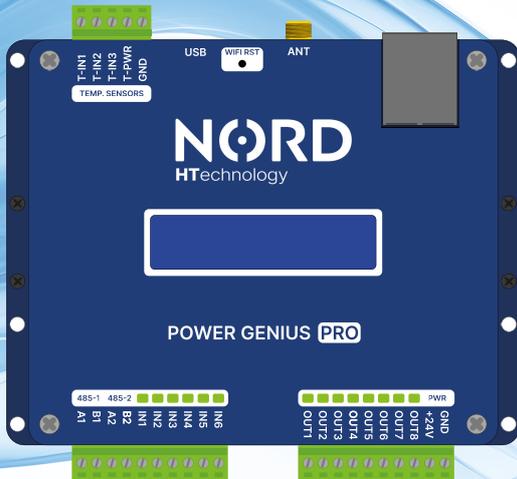




**BUILD YOUR
ENERGY
COMMUNITY**



POWER GENIUS PRO

Second generation of green energy manager for surplus electricity



- Ready for spot price trading
- Ready for community energy
- Cloud interface for remote control

- Maximal use of surplus and maximum return on investment
- Phase-by-phase measurement and control
- 7 switching modes for up to 8 outputs
- NORD inverter support (other brands in the preparation)
- Remote firmware upgrade
- Suitable for on-grid and off-grid systems
- Output control options: regulation, export to grid, battery SOC, timer, thermostat, button switch, external control

The cloud-based application enables advanced and simplified remote device configuration and online monitoring of the PV system and POWER GENIUS PRO, including history graphs, export of logs and spot prices integration. Installer accounts support, devices and inverter control based on spot prices, export management, prioritization of feed-in tariffs, device switching and blocking, battery charging and discharging are just some of the additional features of POWER GENIUS PRO.



TECHNICAL DATA

POWER GENIUS PRO

Inputs	6x digital for connecting potential-free contacts, 3x for DS18B20 temperature sensors
Outputs	8x digital transistor outputs with open collector
Max. load of one output	100 mA / 24 V
Power supply	24 V DC / 200 mA
Communication interface	2x RS485, Wifi (2,4 GHz), Ethernet (10/100)
Operating temperature range	-20 °C ~ +50 °C

GENERAL DATA

Degree of coverage	IP20
Interface for settings	Power Genius Portal web app, mini USB + PC app for OS Win 7 and higher
Dimensions	120x115x30 mm
Mounting method	DIN rail or panel mounted

Power Genius Portal web app interface

Power Genius Portal

User 123

Account settings
Log out

My devices

Add device
Manage devices

- Device 1 (a0764eb22cf0)
- Device 2 (1234567890ab)
- Device 3(8523df7890ac)

www.nord-solution.com

Status: ONLINE | Connection: STABLE | MAC: a0764eb22cf0 | 485-1: Solax X3 Hybrid COM: OK | 485-2: Solax X3-EVC-11k COM: OK | FW: 1.1.52

Overview
History
Output settings
Inverter control
Device settings

Automatic data refresh interval: 5 min Last refresh: 21.10.2024 10:50:33 Update

System overview

PV field

Production **8565 W**

Battery

SoC **97 %**
Charging **520 W**

Grid

Total **+ 3131 W**
L1 +796 W
L2 +1423 W
L3 +914 W

Inverter

Status **Normal**
Self Use **7953 W**

Power Genius

Active outputs **6**

Consumption

Total **4822 W**
L1 1865 W
L2 1250 W
L3 1737 W

EV charger

Charging **0 W**
Mode **Eco**
Status **Standby**

Power Genius PRO

Monday 21.10.2024

Inputs

IN1	IN2	IN3	IN4	IN5	IN6
●	●	●	●	●	●
T1	T2	T3			
35°C	68°C	--			

Outputs

OUT1 Boiler 1	ON	
Off	Auto	On
OUT2 Boiler 2	45%	
Off	Auto	On
OUT3 Klima	OFF	
Off	Auto	On
OUT4	ON	
Off	Auto	On
OUT5	ON	
Off	Auto	On
OUT6	OFF	
Off	Auto	On
OUT7	ON	
Off	Auto	On
OUT8	20%	
Off	Auto	On

Daily statistics

Own production	Consumption from the grid	Delivery into the grid
28.0 kWh	5.2 kWh	12.8 kWh

Daily market prices

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
76.39 €	43.68 €	65.42 €	65.40 €	87.22 €	109.02 €	163.45 €	174.49 €	129.85 €	119.83 €	87.22 €	32.83 €	-20.75 €	-43.61 €	21.87 €	54.51 €	109.23 €	152.64 €	185.40 €	218.05 €	207.21 €	163.30 €	130.88 €	65.07 €