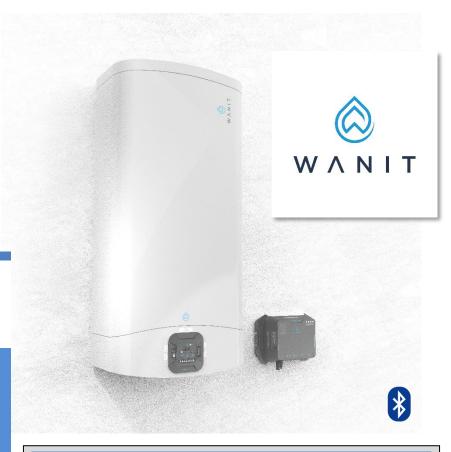MADE IN BELGIUM

WANIT

PHOTOVOLTAIC WATER HEATER

- Up to 85% free hot water!
- 98% electric production recovered
- Easy to install
- No administration
- Compact (27 cm thickness)
- 2 tanks = better availability and flexibility
- 1 to 4 people
- Connected and can be remote-controlled
- Dry heating rod-steatite on demand
- 65L or 80L; with or without batteries
- Full water heater (hybrid) or preheater
- Legionella treatment & automatic antifreeze
- No maintenance required / Corrosion resistant anode
- Controls the thermostatic valve
- For renovation or new construction!
- A clear view of the number of showers available
- Vertical / horizontal mount
- Core-enamel tanks

| B | A | A+ | A+++ |

Energy class for the **Wanit** system:
Depending on the number and orientation of the PV panels. Ask for the simulation!

How does it work?

- With the SolarConnector, connect 1 to 5 photovoltaic panels (max 1500Wc) to the WANIT water heater – Add an optional WANIT buffer battery, to store the energy produced for later heating.
- Set up all functions with the smartphone app (iOS/Android) via Bluetooth™.
- Select the tank size and the number of PV panels according to your needs.
- With battery (optional), your water is also heated at night using solar energy. More storage capacity!
- With the **ONE** function, you decide manually when to heat on battery discharge and/or from the grid.
- With the WANIT hybrid water heaters, no need of additional heating system for periods with less sunshine: you decide on the heating program that uses electricity from the grid and the volume to be heated (**24/24** or **ECO** mode). It automatically adapts to the season to minimize the residual bill by anticipating your needs!

CAPACITY	65L	65L+BAT	80L	80L+BAT
NUMBER OF PEOPLE	👤👤	👤👤👤	👤👤👤	👤👤👤👤

Water heater model		65 DC	80 DC	65 HYBRID	80 HYBRID
Type		Preheater	Preheater	Water heater	Water heater
Position on the wall		V/H	V/H	V/H	V/H
DC Power 48V	W	1300 (2x650)	1300 (2x650)	1300 (2x650)	1300 (2x650)
AC Power 230v	W	-	-	1500 (2x750)	1500 (2x750)
Heating rod		Dry	Dry	Dry	Dry
IP		IPX4	IPX4	IPX4	IPX4
DC connection Max	mm²	35	35	35	35
Capacity	L	65 (2x32.5)	80 (2x40)	65 (2x32.5)	80 (2x40)
V38 (mix 10°C/60°C)	L	110	133	110	133
V38 with Overheat (mix 10°C 90°C)	L	167	206	167	206
Net weight	Kg	28,4	32.3	28.4	32.3
Height	mm	1066	1251	1066	1251
Depth	mm	275	275	275	275
Width	mm	506	506	506	506
Heat capacity storage 60°C (Δ48°)	kWh	3,63	4,45	3,63	4,45
Heat capacity storage 90°C (Δ78°)	kWh	5,9	7.25	5,9	7.25
ErP level (load profile M) without PV input		C (49W)	C (60W)	B (1284kWh/an)	B (1296kWh/an)

Solar Connector (Heat & Charge controller)		2022			
Max Input (PV) Current	A	20			
Min PV voltage	Voc	60			
Max PV voltage	Wc	1500			
Battery voltage	V	48-52*			
Output voltage		Adaptative			
Peak efficiency		>97,5%			
Max open circuit voltage	V	200			
IP		IP32			
Dimensions (HxWxD)	mm	30.8x20.5x8.5			
Max Input (PV) Current	A	20			
Min PV voltage	Voc	60			

EasyWanit app.

SolarConnector

- Thanks to MPPT (Maximal Power Point Tracking) advanced technology, the SolarConnector always captures the maximum power from the PV panels.
- Depending on power demand, it converts to the appropriate voltage and directs the current to either the water heater, the secondary boiler or to temporary battery storage, with no energy loss.
- Batteries are optional: the system never requires the batteries to heat up during photovoltaic production. Battery charge and heating discharge is regulated to ensure maximum battery cycle and longevity. Suitable for lead/carbon or lithium-ion approved batteries.
- Fully manageable remotely via Bluetooth™. All production, heating and tank temperature data are stored and monitored.
- Activity (PV production, heating, charging) and fault indicators.
- Multiple protection devices (overheating, reverse polarity, …). With the remote sensor, the charging voltage is continuously adapted to the ambient temperature.
- Devices are connected with BUS RS485 – off-grid night power via Accu 9V.

2.5 or 5kWh Lith-Ion battery

ANTI-LEGIONELLA   ANTI-FREEZE   EASY TO USE

SHOWER READY   TITANIUM PLUS   MULTIPOSITION   SLIM

5 ANS TANK WARRANTY   3 ANS OMNIUM WARRANTY

* Only connect batteries approved by WANIT

www.wanit.com   **Disruptive solar solutions – Let's reinvent hot water!**