

ABOUT

Nectar Sun is a result of years of experience and determination. It is a sustainable water heater, which can save up to **70%** of your hot water heating cost. Nectar Sun controller uses energy of solar power to heat water and save. It switches to local electricity, if needed. So it's cost-effective and sustainable way for water heating. That's the greatest part, isn't it?



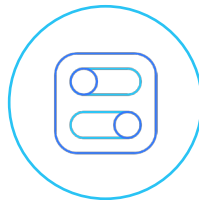
SAVE UP TO 70% OF YOUR HOT WATER BILL

SAVE MONEY



Saves up to 70% of your water heating and pays back for itself in less than 3 years.

EASY TO INSTALL



Completely automated systems that installs easily. Compatible with most electric water heaters available for household use.

EASY TO CONTROL



Control your water heater from anywhere.

POWERFUL



Usable capacity 2.0kW. Suitable to work with heaters up to 300 l.

RELIABLE

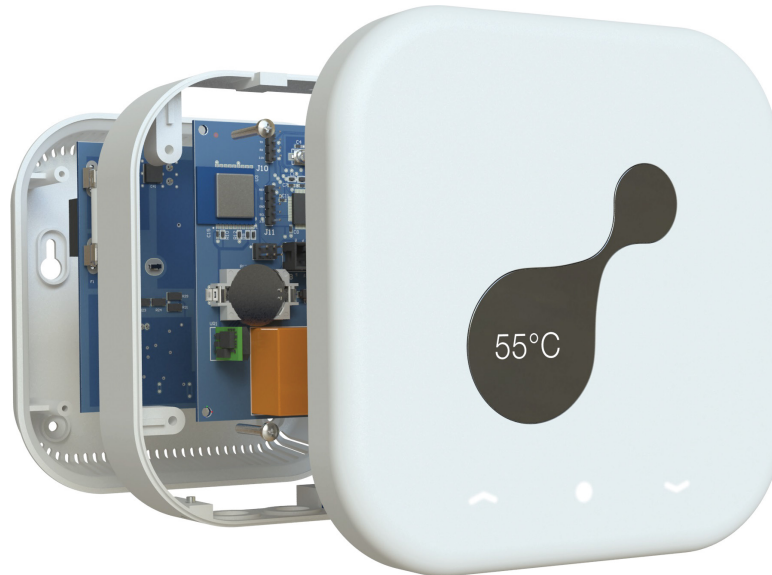


Your investment is protected by a 3 year warranty for Nectar sun controller and up to 30 year for solar panels (PV).

ENVIRONMENT-FRIENDLY



Switch to clean energy and help change the world. It feels good...



SMART AND INNOVATIVE

1

FULL BRIDGE TECHNOLOGY

Allows to tune up to almost all electrical water heaters and install easily. Just plug & play.

2

MAXIMUM POWER POINT TRACKING

Helps to extract the maximum power available from the sun.

3

USABLE SOLAR CAPACITY IS 2.0 KW

Small in size, big on power.




4

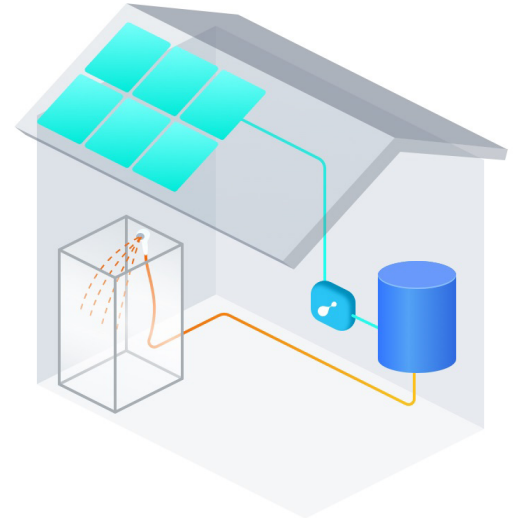
OLED AND QTOUCH TECHNOLOGIES

A high-contrast display and touch-sensitive controls for easy and intuitive user interaction.

HOW IT WORKS?

This heating system is as simple as possible. It consists of solar panels and **Nectar sun** controller to sustainably heat water and save money.

-  SOLAR PANELS (PV)
-  NECTAR SUN CONTROLLER
-  ELECTRIC WATER HEATER YOU ALREADY HAVE



EASY TO MAINTAIN, INSTALL AND USE IT

WHAT DO YOU NEED TO DO?

Install solar panels and connect them to the **Nectar Sun** controller and water heater. Simple. Controller is able to connect to most electric water heaters available for household use. The device connects directly to the heater, without changing the existing electrical wiring. No pipes, valves, pumps or other additional equipment. It is easy to maintain, install and use.

CONTROL IT FROM ANYWHERE

Seamlessly monitor and manage your water heating system. See how much you save every day, every month and every year.

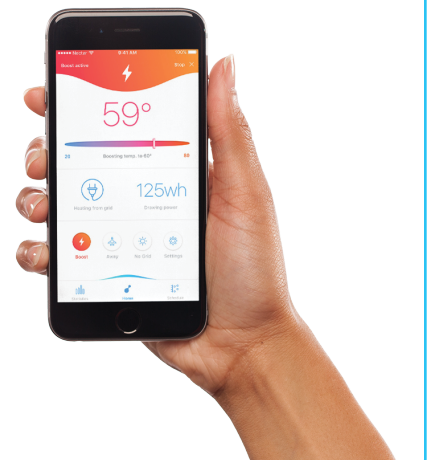
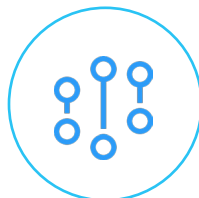
HOME



STATISTICS



SCHEDULE



TECHNICAL DATA

MAXIMUM POWER POINT TRACKING

Voltage range	90 - 264VAC / 47 - 63Hz
Max, output current	16A
Overvoltage protection	yes
Overcurrent protection	yes

INPUT (DC)

Recommended max PV power	1500 – 2500 Wp
Max. input voltage (Voc PV)	350 V
Max. current (Isc PV)	10A
No of MPP trackers	1
MTTP range	100 - 260 V
Load (heater)	16 - 53 Ω

OUTPUT RECOMMENDED HEATING ELEMENT:

1 kW, 4x250W photovoltaic panels	3-3,5 kW heat element
1,5kW, 6x250W photovoltaic panels	2-2,5 kW heat element
Max. efficiency	$\geq 99 \%$

GENERAL DATA

Cooling	natural convection
Operating temperature range	+10° C .. +30°C
Max. store humidity	75% non condensing
DC connection	MC4
Temperature sensor	digital
WLAN	IEEE 802.11b/g/n client
Degree of protection	IP20
Max. heating temperature	90°C
Dimensions (wxhxd) mm	150x150x83
Weight, kg.	1
Certification	CE, TUV
EMC device class	B
Warranty	3 year