



Hot water is civilization

WattMate Series

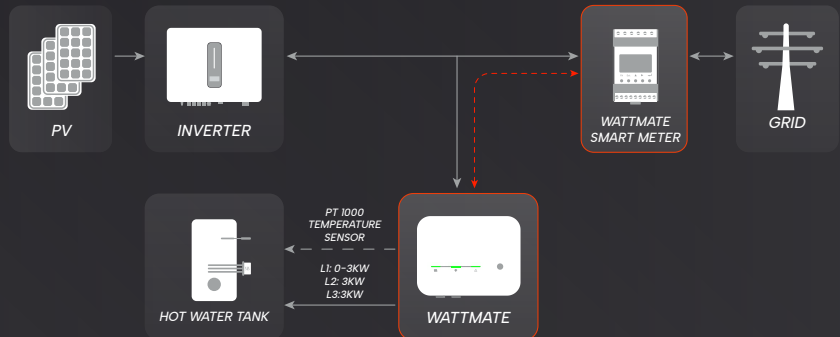
Designed to heat water by your excess solar in a simple way



Three Typical Scenarios

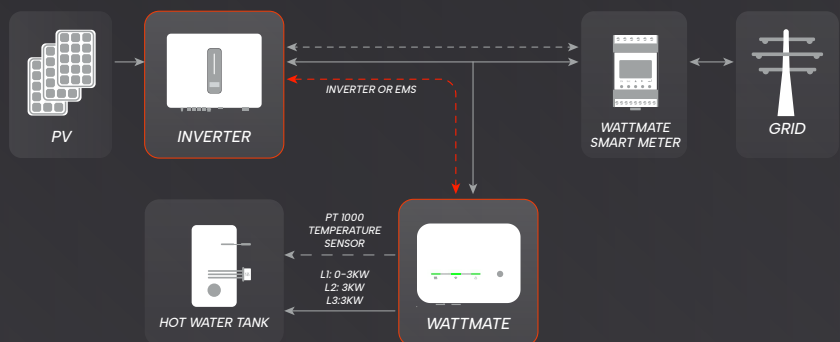
Auto detect and start water heating according to excess solar.

Instead of grid injection or derating solar output, WattMate provides an easy method to retrofit existing on-grid solar systems by auto-detecting and using excess solar production to heat water once the target temperature is reached.



Set up COM. with inverter to start the heating under zero-injection.

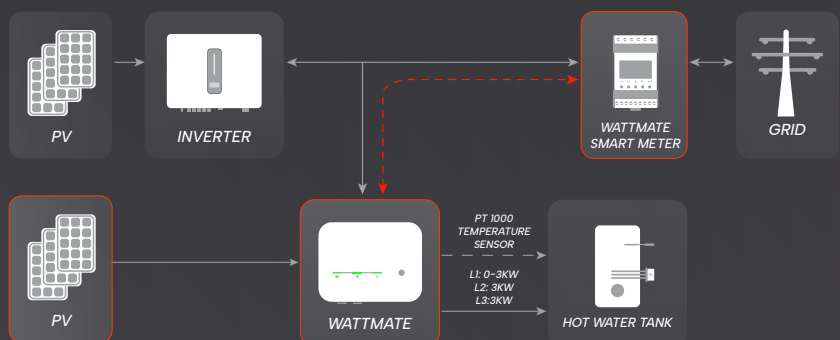
Thanks to the standard MODBUS RTU/TCP-IP open protocol integrated, WattMate can also respond to external inverter/EMS commands to start the heating according to the assigned power and temperature values.



*WattMate ModBus RTU/TCP-IP protocol document is available upon request.

Direct PV input is also approval to heat water.

The WattMate also supports direct PV input to heat water; in some cases, your house still has little space for an extra few PV panels. Meanwhile, grid input is also available to warm up once there is no or weak sunshine.



*Direct PV input and grid input cannot work at the same time.



 **WattDesk** supported

Integrated with more than heat tracing WattDesk makes your work easier.

Whether you use a smartphone or a computer, the WattMate always provides real time running data about your smart home system, including heating elements. Anytime, wherever, you can adjust the desired heating temperature or mode and check the status of your heating appliance as well as firmware update by air.

Thanks to GoogleMap API integration, WattDesk business users can always locate and manage all the systems delivered and installed quickly and easily. This service ticket systems also integrated to combine owner, installer, distributor and manufacturer together to provide seamless and quick service support.



WattMate

Smart heating regulator

AC Input

Voltage	3L/N/PE; 220/380V, 230/400V, 240/415V
Frequency	50Hz/60Hz
Current	13A/3*13A
AC Detection	Yes

DC Input

Input Voltage Range	100-600V
Maximum Input Current	13A
Maximum Power Input	3kW
MPPT included	NOT Support
Connection	MC4

AC Output

Max. output power	9kW (L1:0-3kW adjustable, L2:3kW fixed, L3:3kW fixed)
Frequency	50Hz/60Hz
AC output current	13A/3*13A
Output voltage	230V/ 3*230V AC
THDi	<3%

General

Type of power regulation	Pulse width modulation(PWM)
Self-consumption	<10w standby
Communication	ModBus RTU, ModBus TCP/IP, WiFi/LAN, Web Portal, APP
Dimensions (height x width x depth)/Weight	258*338*90(mm) / 4kg
Protection class	IP65
Installation	Wall Mounted
Ambient temperature range	0~+55°C
Permitted humidity	0~99%, non-condensing
Certificates and compliance with standards	CE, EN 61000-6-2, EN 61000-6-3, EN 61000-3-2, EN 61000-3-3, EN 300 328

- Only resistance loading is approval.
- AC input and DC input cannot work at the same time, solar self-consumption is always high priority, while grid power working as backup upon demand.
- WattMate reserves the right to modify the technical datasheet and appearance of the product in the catalogue without prior advice to the users.
- WattMate is a Wattsonic company.