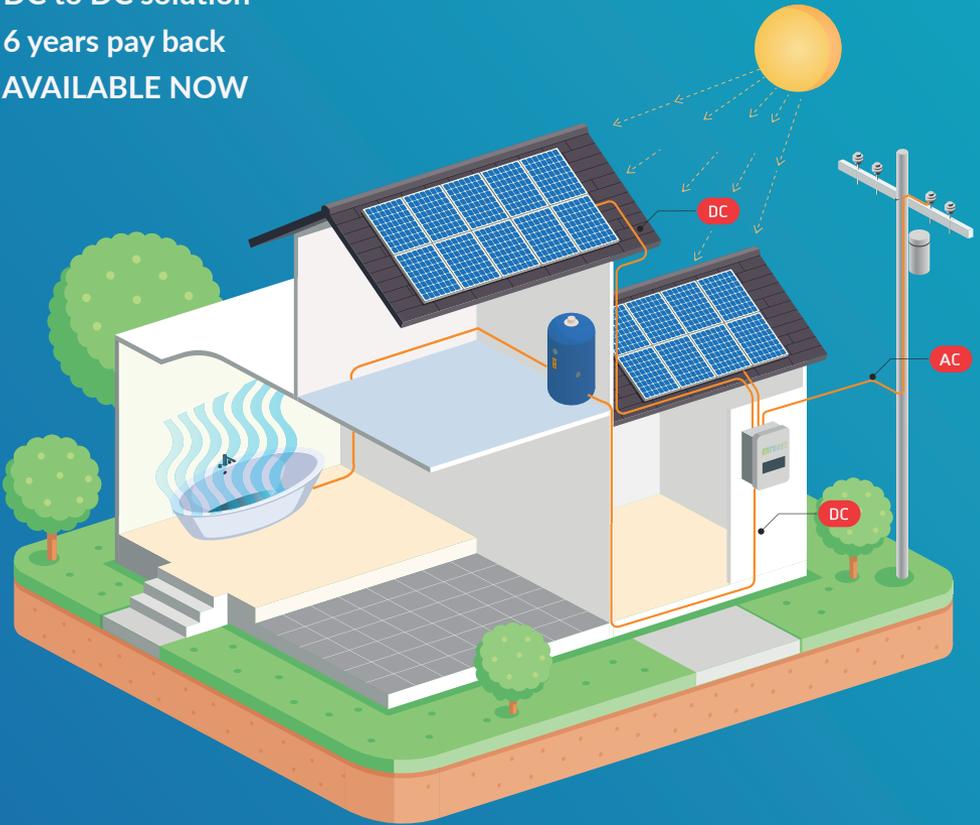


World's **most efficient** hot water solution

- 98.6% efficient
- Fully UK compliant (G83 engineering recommendation)
- DC to DC solution
- 6 years pay back
- AVAILABLE NOW



enTrust
microgrid

Smart microgrid technology
you can trust

Entrust Smart Hot Water and Heating is an innovative, new product which diverts part of domestic solar PV power (DC current) to an immersion heater for hot water supply or heat element for storage heater or space heating - making the most of the electricity generated from the solar PV panels. All this whilst backed up to a traditional gas boiler or grid connection (AC Current) for guaranteed supply.

Clever use of a mobile APP allows customers to control the system remotely as needed to reduce heat waste e.g. on holiday. The mobile APP also monitors the temperature of the hot water cylinder or storage heater as well as overall performance. Meeting the highest safety and reliability standard, our product comes with a 5-year warrantee.

Key Features

- Wifi / Internet Connection for mobile APP, remote control and data exchange
- Solar PV power generation forecasting based on weather forecast
- Domestic power demand forecasting based on machine learning, weather forecast and occupation
- Smart power flow management and intelligent energy management
- Solar PV power efficiency is higher than directly grid-connected solar PV system
- Allow ~6kWp solar PV panels installation for domestic property (UK)
- ~100% self-consumption of solar PV power
- Solar PV power system overall return on investment (RoI) ~7 years

Model	EnsmartHeat 200 series	EnsmartHeat 250 series	EnsmartHeat 300 series
DC Input (PV)			
Input PV Power (kW)	3~3.5	3.6~4.9	5~6
Input PV Voltage (V)	175~205	215~260	290~350
Max Input PV Voltage (V)	210	270	360
No. of Solar PV Strings	1 or 2	2	2
Max Input Current PV1/PV2 (A)	11 or 11/11	11/11	11/11
DC Switch	Integrated		
DC Output			
Output Voltage (V)	50~150	80~200	100~240
Nominal Current (A)	12.5	10	8.3
THD of Voltage	≤±2%		
Power Efficiency			
Max Power Efficiency	98.6%	98.6%	98.6%
Nominal Power Efficiency	>97%	>97%	>97%
Protection			
Input Overvoltage/ Undervoltage Protection	Integrated (Self-Recovery)		
Certificate	CE		
Warranty	5 Years		