

The Spice2e DHWH

Sustainable Power ("SP") is a UK Company specialising in the development and production of high efficiency mCHP co-generating appliances for the SME and larger residential market.

Engineered and manufactured in the UK the *Spice2e* has almost twice the electricity generating capacity and at least double the energy efficiency of any competing mCHP on the market today. The *Spice2e* offers the customer the best value in both financial and carbon savings.

The *Spice2e* return's an IRR of over 33% and is also available on a free issue basis with the customer paying only for installation.

	Electrical Output	Heat Output	Cost of Unit	Savings pa	Sector	FIT	IRR
<i>Spice 2e</i>	2 KWe	7.5KWt	£13,500	*Ave £3,000	LR	YES	22%
<i>Spice 2e</i>	2 KWe	7.5 KWt	£13,500	*Ave £4,300	SME	YES	33%

Spice2e (micro combined heat and power unit)

Compact, floor-standing, ultra efficient, gas-engine based mCHP appliance that generates electricity whilst heating your water/ premises and reducing carbon emissions

- Compact <1 Sqm & 1.7m in height
- Produces: 2kWe (electrical) & 7.5kWt (Thermal)
- Delivers: 48kWe and 3,000 liters of hot water at 63°C per day
- Saves £2,000 pa from energy bills
- Generates £2,400 pa in Feed in Taffis (FITs)
- Efficient: > 95% efficient
- Carbon reduction > 5 tonnes per annum

Target Market

Care homes
 Hotels
 Community housing
 Leisure Facilities
 Large or shared residential
 NHS
 Student accommodation



Carbon Savings

Electrical generation is **62% more energy efficient** than electricity purchased via the National Grid and provides the ability for the customer to dramatically reduce their carbon footprint by up to **five tonnes** pa

Due to the carbon efficiency the *Spice2e* qualifies for a 10-year Government Feed in Tariff (FIT) of 15.56p per Kwe

Cost Savings

The Spice2e generates grid electricity (12.5p/kWh) for the cost of gas (2.5p/kWh) and in doing so reduces your electrical costs but >£2,000 pa over the ten-year contract.

The FIT generates a further £2,400 pa due to the carbon reduction of the electrical generation.

	Via National Grid	Electricity generated by Spice 2e
Cost of Electricity KWe	12p	2p / -13.5p with FIT included
CO Produced KWh	517 g/KWe	202 g/KWe
Energy Efficiency	< 35 %	>95%



The Spice2e DHWH

The *Spice2e* includes a fully remote monitoring and operation system and is designed to work alongside existing heating/water systems in the plant room of a building, with minimal changes to the existing hot water system and can be installed in under 4 hours once the plumbing and inverter has been preinstalled. The total installation process takes less than a 2 days.

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