

**SINGLE-PHASE EnergyAce Voltage Optimisation System Rated 100Amps**



**Part Number CVO 100-1P**

**TECHNICAL CHARACTERISTICS**

Type	EnergyAce Compact Voltage Optimiser
Nominal input voltage	1PH+N 240 VAC
Output Voltage taps	-10v, -15v, -20v, -25v
Frequency	50/60Hz ±5%
Rated current	100 A
Max input current (@ lowest input voltage)	100 A
Dimensions (mm)	H280 x W410 x D150
Mains Termination	Clamp Terminal
IP Rating	Min IP42 (others available on request)
Finish	RAL7035 Textured Light Grey
Load power factor	0 leading to 0 lagging
Admitted load variation	0 to 100%
Admitted overload	5 times for 2 mins, 100% continuous
Waveform distortion	<0.1% (virtually nil and none added on the mains)
Transformer efficiency	>99.8%
Transformer temp rise @ max load	55oC
Cooling	Natural ventilation
Ambient temperature	-10°C to +60°C
Storage temperature	-20°C to +60°C
Relative humidity	95% (non-condensing)
Input Circuit breaker	Rated 100Amp
Warranty	10 years
Standards	BSEN60831 (IEC831 & IEC70/70), BSEN60439, BSEN60204
Quality Assurance	ISO 9001