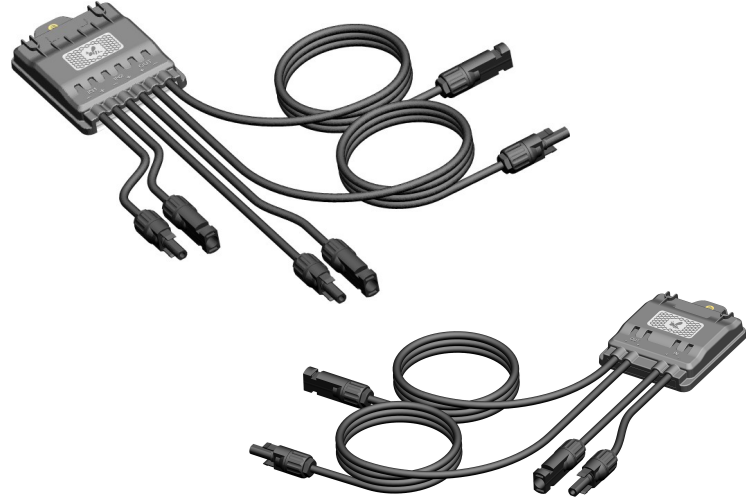


GNE Optimisers are a highly efficient and intelligent way of improving your Solar PV array's overall performance. Available in 400W single port or 800W dual port models, these optimisers reduce the power losses from shading, dust and snow which obstruct PV panels. With individual MPPT per panel, you can maximise power production and monitor each panel individually with our monitoring App.

Main Benefits

- » Single and Dual Port models available
- » High reliability – IP68 (NEMA 6) enclosure
- » Improved system performance – Individual MPPT per panel
- » Reduces systems losses due to shading, dust and snow
- » Plug & Play – Quick and easy-to-install
- » Smart – Online panel level monitoring



GNE Honeybee Optimiser Technical Specifications

Optimiser Specification		Honeybee 400W	Honeybee 800W
Input Data (DC)	Max PV Module Power Range	450W	
	No. of Modules Connected	1	2
	MPPT Voltage Range	12V - 75V	
	Maximum DC Input Voltage	75V	
	Maximum Short Circuit Input Current	15A	
	Maximum Continuous Input Current	13A	
Output Data (DC)	Rated Output Power	400W	800W
	Maximum Output Power	450W	900W
	Rated Output Voltage/Range	12V - 75V	24V - 150V
	Nominal Output Voltage	55V	110V
	Maximum Continuous Output Current	13A	
	Maximum Efficiency	99.6%	
	Maximum System Voltage	1500V	
	Maximum Connection Number in One String	Reference Inverter Maximum Input Figures	
Physical Dimensions	Dimensions (WxLxH)	130mm x 110mm x 25mm	130mm x 130mm x 25mm
	Weight	530g	810g
	Cable Length to Panels (MC4)	20cm	
	Cable Length to next Optimiser	100cm	160cm
Other Parameters	Communication Method	PLC/Radio Frequency (2.4GHz)	
	Safety Protection Class	IEC62109-1 Class II	
	Enclosure Rating	IP68/NEMA 6	
	Operating Temperature	-40°C - +85°C	
	Storage Temperature	-40°C - +85°C	
	Relative Humidity	0 - 100%	
	EMC	IEC61000-6-2/IEC61000-6-3	
	Overvoltage Category	III	
	Warranty Period	10 Years	
Safety Regulations	CE, UKCA		



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