



SOLAREGE POWER OPTIMISERS

POWER OPTIMISER MODULE ADD-ON P370 & P404

The SolarEdge Power Optimiser is a DC/DC converter which connects to a single panel to monitor and control its individual performance.

This level of control mitigates panel mismatch losses due to partial shading and improves the performance of the PV system. It also allows for more flexible system designs and greater roof space utilisation.



solaredge



RESIDENTIAL - P370



PANEL LEVEL MONITORING



COMMERCIAL APPLICATIONS - P404

HOW YOU BENEFIT



HIGH EFFICIENCY

Superior efficiency of up to 99.5%, generating more power from your PV system.



FLEXIBLE DESIGN

Individual panel monitoring and management allows flexible designs and increased power production.



SAFE OPERATION

Automatic panel-level voltage shutdown feature for installer and firefighter safety.



INNOVATIVE

Next generation maintenance with panel-level monitoring.



SOLAHART WARRANTY

Enjoy a 12-year warranty, for peace of mind.*

Technical Data

POWER OPTIMISER TECHNICAL DATA

Input (DC)	P370	P404
Rated input DC power ⁽¹⁾	370 W	405 W
Absolute maximum input voltage (Voc at lowest temperature)	60 Vdc	80 Vdc
MPPT operating range	8 - 60 Vdc	12.5 - 80 Vdc
Maximum short circuit input current (Isc)	11 Adc	
Maximum efficiency	99.5%	
Weighted efficiency	98.8%	
Overvoltage category	II	

Output During Operation (when connected to operating SolarEdge inverter)		
Maximum DC output current	15 Adc	
Maximum DC output voltage	60 Vdc	85 Vdc

Output During Standby (when disconnected from SolarEdge inverter or inverter off)		
Safety output voltage per Power Optimiser	1 ± 0.1 Vdc	

Installation Specifications		
Maximum allowed system voltage (DC)	1000 Vdc	
Weight (including cables)	655 gr	775 gr
Dimensions (W x H x D)	129 x 153 x 27.5 mm	129 x 153 x 42.5 mm
Input connector	MC4	
Input wire length	0.16 m	
Output connector	MC4	
Output wire length	0.95 m	1.20 m
Operating temperature range	-40°C to +85°C	
Protection rating	IP68 / NEMA6P	
Relative humidity	0 - 100%	

Product Details		
SolarEdge part number	P370	P404
Solahart Warranty	12 years*	

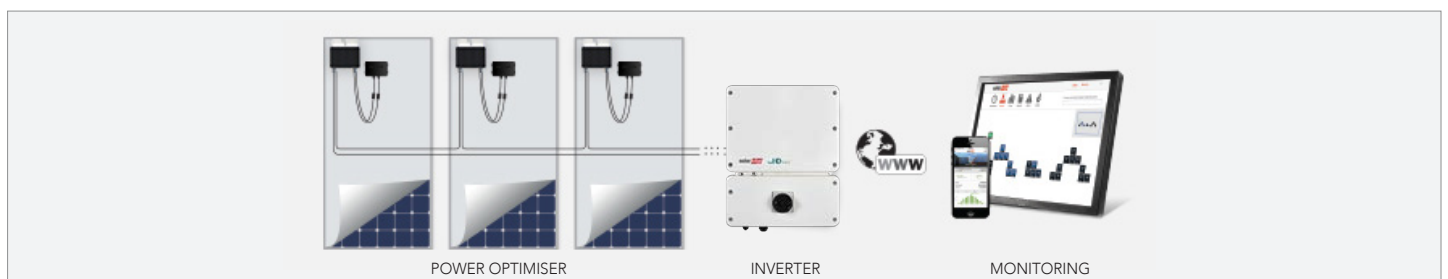
PV System Design using a SolarEdge Inverter	Single-phase HD-WAVE		Single-phase		Three-phase Commercial	
	P370	P404	P370	P404	P370	P404
Minimum string length (Power Optimisers)	8	6	8	6	16	14
Maximum string length (Power Optimisers)	25				50	
Maximum power per string	5700 (6000 with SE8000H, SE10000H)		5250		11250 ⁽²⁾	
Parallel strings of different lengths or orientations	Yes					

Standard Compliance	
EMC	FCC Part 15 Class B, IEC 61000-6-2, IEC 61000-6-3
Safety	IEC 62109-1 (class II safety), UL1741
RoHS	Yes
Fire safety	VDE-AR-E 2100-712:2013-05

⁽¹⁾ Rated STC Power of the Module. Module of up to +5% power tolerance allowed.

⁽²⁾ It is allowed to install up to 13,500W per string when the maximum power difference between each string is 2,000W.

*For full details see Solahart Owner's Guide & Installation Instructions.



Specifications and designs included in this data sheet are subject to change without notice.

Solahart Australia 1300 769 475 | www.solahart.com.au

Reorder code: SHDS/PV_SE_OPT

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