

Hosola Plus Series Power Optimiser



High Efficiency

- Up to 25% more energy and superior efficiency (99,6%).
- Mitigates all types of module mismatch losses, from manufacturing tolerance to partial shading

High Safety Standards

- Module-level voltage shutdown for installers and firefighter safety
- Comprehensive protection functions
- IP68 design, reliable under harsh weather conditions
- 25 years warranty standard

Advanced Communication Technology

- Wifi / RS485 / Ethernet accessible communication
- Real-time yield monitoring per panel

Flexible Installation

- Installation for either new or existing PV systems
- Simplifies system design
- Operation with any standard string inverter

Hosola Power Optimiser Module Embedded Solution



Hosola Power Optimiser Technical Data

Safety
Standards

High
Quality

High
Efficiency

Model	Hosola P400	Hosola P800
Input data		
Number of PV module inputs	1	2
Max input power	450 W	450 W / 450 W
Max input voltage	75 Vdc	75 Vdc / 75 Vdc
Max input current	13 Adc	13 Adc / 13 Adc
MPPT voltage range	12 Vdc – 70 Vdc	13 Vdc – 70 Vdc
Output data		
Max output power	450 W	900 W
Max system voltage	1000 Vdc / 1500 Vdc	
Output voltage range	0 Vdc – 70 Vdc	0 Vdc – 140 Vdc
Max output current	13 Adc	13 Adc
Communication	Wireless RF / PLC	
Efficiency		
Max conversion efficiency	99,6 %	
Installation specification		
Size	130 x 110 x 25 mm	130 x 132 x 25 mm
Weight	588 g	765 g
Input / output connector	MC4 compatible	
Working temperature	-40°C - +85°C	
Ingress protection	IP68	
Standard compliance		
EMC	IEC 61000-6-2 / IEC 61000-6-3	
Safety regulations	IEC 62109-1 (Class II safety)	
Overvoltage category	III	
Certification	CE (Intertek)	
Waranty	25 years	