

Hosola Plus Series Power Optimiser



High Efficiency

- Up to 25% more energy and superior efficiency (99.5%)
- Efficiency step-up and step-down processing modules can flexibly configure PV panel structure
- Mitigates all types of module mismatch losses, from manufacturing tolerance to partial shading

High Safety Standards

- Module-level voltage shutdown for installer and firefighter safety
- Comprehensive protection functions like protection against overheat
- IP65 design, reliable under harsh weather condition
- 25 years lifetime

Advanced Communication Technology

- WiFi/RS485 accessible
- Real-time yield monitoring of the optimiser and each panel, alarming in time

Flexible Installation

- Installation for either newly setup or existed power station, supports multiple installation methods
- Simplifies system design by eliminating power optimiser selection process
- Portable design, fast installation
- Operation with any inverter and no additional hardware or addition of Hosola inverter for added benefits



TÜV SÜD certification,
Conform the corresponding European standards.

Hosola Power Optimiser Module Embedded Solution



Hosola Power Optimiser Technical Data

Safety
Standards

High
Quality

High
Efficiency

Model	Hosola Plus 300	Hosola Plus 350	Hosola Plus 600-D	Hosola Plus 700-D
Input Data				
Max.DC Input Power (W)	300	350	600	700
Operating Voltage Range (V)	14 ~ 60	14 ~ 60	14 ~ 60	14 ~ 60
MPPT Voltage Range (V)	16 ~ 50	16 ~ 50	16 ~ 50	16 ~ 50
Max.DC Current (A)	10	10	10	10
Short Current (A)	15	15	15	15
Reverse Connection Protection	Yes	Yes	Yes	Yes
Night Consumption	0	0	0	0
Output Data				
Max.AC Current (A)	11	11	11	11
Output Voltage Range (V)	0 ~ 60	0 ~ 60	0 ~ 120	0 ~ 120
System Voltage (V)	1000	1000	1000	1000
Efficiency				
Max.Efficiency	99.5%	99.5%	99.5%	99.5%
Euro Efficiency	98.5%	98.5%	98.5%	98.5%
CEC Efficiency	98.3%	98.3%	98.3%	98.3%
General Data				
Dimension (W*H*D) (mm)	115 * 106 * 22	115 * 106 * 22	138 * 120 * 28.2	138 * 120 * 28.2
Weight (g)	550	550	750	750
Input Connector	MC4	MC4	MC4	MC4
Output Connector	MC4	MC4	MC4	MC4
Operating Temperature Range (°C)	-40 ~ + 85°C	-40 ~ + 85°C	-40 ~ + 85°C	-40 ~ + 85°C
IP Protection Type	IP65	IP65	IP65	IP65
Relative Humidity	0 ~ 100%	0 ~ 100%	0 ~ 100%	0 ~ 100%
Certificates				
EMC	FCC Part15 Class B, IEC61000-6-2, IEC61000-6-3, CSA C22.2 No.107.1-01, UL 1741			
Safety	IEC62109-1 (Class II safety)			
Over Voltage Level	III			
Certificates	CQC / TUV / CSA			
Standard Warranty (years)				