

Smart PV Optimiser



Higher Revenue

- Max. efficiency 99.5%, weighted efficiency 99.0%
- Allows more panels on each roof to achieve higher system yields

Simple & Easy

- Supports installation in shade prone areas and in different directions
- Quick frame mount at warehouse, less rooftop installation time
- Supports remote module-level monitoring with Smart PV Safety Box
- Communication through DC power line

Safe & Reliable

- IP68, support outdoor application
- Module-level shutdown capability to secure people and assets safety

Technical Specification	SUN2000P-375W
Input	
Rated input power	375 W
Absolute maximum input voltage	80 V
MPPT operating voltage range	10 - 80 V
Max. input current	12 A
Max. efficiency	99.5 %
Weighted efficiency	99.0 %
Overvoltage category	II
Output	
Max. output voltage	80 V
Max. output current	10 A
Output bypass	Yes
Standard Compliance	
Safety	IEC62109-1 (class II safety)
RoHS	Yes
General Specification	
Maximum allowed system voltage	1,000 V
Communication	PLC
Dimensions (W * H * D)	125 * 85 * 25.5 mm (4.9 * 3.3 * 1.0 inch)
Weight (including cables)	0.7 kg (1.5 lb)
Installation part	Star Washer (standard) / Grounding Plate, Grounding Lug, PV Module Frame Plate (optional)
Input connector	MC4
Output connector	MC4
Output wire length	1.2 m (3.9 ft.)
Operating temperature / humidity range	-40 °C ~ 85 °C / 0 ~ 100 %
Protection rating	IP68

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