

Smart PV Optimizer



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 % |
| Overvoltage category | II |
| | Output |
| Max. output voltage | 80 V |
| Max. output current | 15 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 | PV module frame / Aluminum extrusion profile (optional) |
| Input connector | MC4 |
| Output connector | MC4 |
| Output wire length | 1.2 m (3.9 ft.) |
| Operating temperature / humidity range | -40 to 85 °C / 0-100 % |
| Protection rating | IP68 |

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