



## 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

## Safe & Reliable

- IP68, support outdoor application
- Communication through DC Power Line Communication
- Single module shutdown capability to secure people and assets safety

| Technical Specification              | SUN2000P-375W  |
|--------------------------------------|--|
|                                      | <b>Input</b>   |
| 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   |
|                                      | <b>Output</b>  |
| Max. output voltage                  | 80 V   |
| Max. output current                  | 15 A   |
| Output bypass                        | Yes  |
|                                      | <b>Standard Compliance</b>                               |
| Safety                               | IEC62109-1 (class II safety)                             |
| RoHS                                 | Yes  |
|                                      | <b>General Specification</b>                             |
| Maximum allowed system voltage       | 1000 V   |
| Communication                        | PLC  |
| Dimensions (W x L x H)               | 125*85*25.5 mm   |
| Weight (including cables)            | 0.7 kg   |
| Installation Part                    | PV module frame / Aluminum extrusion profile Optional    |
| Input connector                      | MC4  |
| Output connector                     | MC4  |
| Output wire length                   | 47 in / 1.2 m  |
| Operating temperature/humidity range | -40 to 85 °C / 0-100 %                                   |
| Protection rating                    | IP68   |
|                                      | <b>PV System Design Using A SUN2000L Inverter</b>        |
| Minimum String Length                | According to inverter design rules & PV module datasheet |
| Maximum String Length                |  |
| Maximum Power per String             |  |