

Smart PV Optimizer



Higher Revenue

Max. efficiency 99.5%



Simple & Easy

Support partial optimizer



Safe & Reliable

IP68

Technical Specification

SUN2000P-375W

Input

Rated input power ¹	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 Data

Maximum allowed system voltage	1,000 V
Dimension (W x H x D)	125 x 150 x 25.2 mm (4.9 x 5.9 x 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 %RH ~ 100 %RH
Degree of protection	IP68
DC MBUS compatible product	SmartPSB2000

¹Rated input power of the module. Module of up to +5% power tolerance allowed.