

# Smart PV Optimizer



## Higher Yields

Up to 30% more energy



## Simple & Easy

More flexible system design



## Safe & Reliable

Module-level rapid shutdown



## Smart Management

Module-level management

Technical Specification	SUN2000-375W-USP0
<b>Input</b>	
Rated input power <sup>1</sup>	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
<b>Output</b>	
Max. output voltage	80 V
Max. output current	15 A
<b>Standard Compliance</b>	
EMC	FCC Part15 Class B
Safety	UL 1741, UL 1703, UL 2703, CSA C22.2
RoHS	Yes
<b>General Specification</b>	
Maximum allowed system voltage	600 V
Dimension (W * H * D)	5.3 in x 3.3 in x 1.0 in (135 mm x 85 mm x 25.2 mm)
Weight (including cables)	1.7 lb. (0.8 kg)
Installation part	Star Washer (standard) / Grounding Plate, Grounding Lug, Aluminum Extruded Sections (optional)
Input connector	MC4
Output connector	MC4
Output wire length	47 in (1.2 m)
Operating temperature / humidity range	-40°C ~ 85°C (-40°F ~ 185°F)
Humidity range	0 ~ 100 % RH
Degree of protection	TYPE 6P
<b>PV System Design Using A SUN2000 Inverter</b>	
Min./Max. string length (power optimizers)	6-25
Max. power per string	5550 W <sup>2</sup>

<sup>1</sup> Rated input power of the module is 375 W, Max. input module power is 450 Wp@STC.

<sup>2</sup> Exceeding this power limit may cause clipping and efficiency loss.

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