

Smart PV Optimizer



Higher Revenue

Max. efficiency 99.5%



Simple & Easy

Faster pairing with Inverter



Safe & Reliable

IP68



Smart Management

Faster physical layout generating

Technical Specification		SUN2000-375W-P2		
		Input		
Recommended maximum input power		400 Wp		
Absolute maximum input voltage		80 V		
MPPT operating voltage range		8 - 78 V		
Max. input current		15 A		
Max. efficiency		99.5 %		
Weighted efficiency		99.0 %		
Overvoltage category		II		
		Output		
Rated output power		375 W		
Max. output voltage		78 V		
Max. output current		15 A		
Output bypass		Yes		
Shutdown output voltage / Impedance ¹		0 V / 1k ohm		
		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)		71 x 138 x 25 mm (2.8 x 5.4 x 1.0 inch)		
Weight (including cables)		0.5 kg (1.1 lb.)		
Installation part		Grounding Plate, Grounding Lug, PV Module Frame Plate		
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/NEMA6P		
DC MBUS compatible product		SUN2000-3/4/5/6/8/10KTL-M1, SUN2000-12/15/17/20KTL-M2, SmartPSB2000-L2		
Long String Design ²		SUN2000L-2-5KTL	SUN2000-3-10KTL-M1	SUN2000-12-20KTL-M2
Minimum optimizer number per string		4	6	6
Maximum optimizer number per string		25	50	50
Maximum DC power per string		4,940 W	9,750 W	9,750 W

^{*1} Optimizer default output when disconnected to the inverter or safety box, or when connected to a shutdown inverter.

^{*2} Only applicable to strings connected fully with power optimizer

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