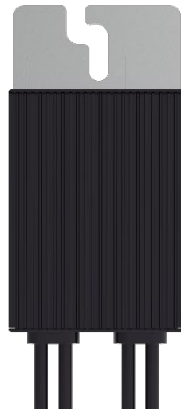


Smart PV Optimizer



One-Fits-All Optimizer
Easier Business



<1.5 min Pairing with Inverter



<5s Module Auto-Mapping



Arc Fault Pinpoint
Positioning

Technical Specification	SUN2000-600W-P			
	Input			
Rated Input DC Power	600 W			
Absolute maximum input voltage	80 V			
MPPT operating voltage range	8 - 80 V			
Maximum Short Circuit Current (Isc)	14 A			
Max. efficiency	99.5 %			
Weighted efficiency	99.0 %			
Overtoltage category	II			
	Output			
Max. output voltage	80 V			
Max. output current	15 A			
Output bypass ¹	Yes			
Shutdown output voltage per optimizer ²	0 V			
Shutdown output impedance per optimizer	1k ohm ± 10 %			
	Standard Compliance			
Safety	IEC62109-1 (class II safety)			
RoHS	Yes			
	General Data			
Dimension (W x H x D)	71 x 142 x 25 mm (2.8 x 5.6 x 1.0 inch)			
Weight (including cables)	0.6 kg (1.3 lb.)			
Installation part (optional)	Grounding Plate, Grounding Lug, PV Module Frame Plate			
Input connector	MC4			
Output connector	MC4			
Output wire length	1.3 m (4.3 ft.) ³			
Operating temperature / humidity range	-40 °C ~ 85 °C ⁴ / 0 %RH ~ 100 %RH			
Degree of protection	IP68			
Compatible product	SUN2000-2/3/4/5/6KTL-L1, SUN2000-3/4/5/6/8/10KTL-M1, SUN2000-12/15/17/20KTL-M2, SUN2000-30/36/40KTL-M3			
Long String Design (Full Optimizer)	SUN2000-2-6KTL-L1	SUN2000-3-10KTL-M1	SUN2000-12-20KTL-M2	SUN2000-30-40KTL-M3
Minimum optimizer number per string	4	6	6	6
Maximum optimizer number per string	25	50	50	25
Maximum DC power per string	5,000 W	10,000 W	10,000 W	10,000 W

¹ Power optimizer is bypassed in the string connected to an operating inverter when it fails to work

² Power optimizer output 0Vdc when disconnecting to the inverter or inverter is shutdown.

³ Fits PV module in landscape and portrait installation.

⁴ Full power capability refers to online smart design tool.