Smart PV Optimizer

SUN2000-375W-USP0

Higher Revenue

- Module-level MPPT adapted to all mismatch scenarios, increase system power production by 5%-30%
- Fitting more modules on rooftop for full utilization and achieves higher yields

Simple & Easy

- More flexible system design capability with Huawei optimizers (6 to 25 modules per string)
- Optimizer auto positioning saving monitoring setup time

Safe & Reliable

- NEMA Type 6P, support outdoor application
- Supports module level rapid shutdown for NEC 2017 690.11 and 690.12

Smart O&M

- Module-level monitoring to guarantee system performance and improve O&M efficiency
- One-click remote software mass upgrade

Smart PV Optimizer (SUN2000-375W-USP0)

Technical Specification	SUN2000-375W-USP0
Input	
Rated input power	375 W
Absolute maximum input voltage	80 V
MPPT operating voltage range	10 ~ 80 V
Maximum input current	12 A
Maximum efficiency	99.5%
Weighted efficiency	99%
Overvoltage category	II
Output	
Maximum output voltage	80 V
Maximum output current	15 A
Output bypass	Yes
Standard Compliance	
EMC	FCC Part15 Class B
Safety	UL1741, UL1703, UL2703
RoHS	Yes
General Specification	
Maximum allowed system voltage	600 V
Dimensions (W x L x H)	5.3 inch x 3.3 inch x 1 inch (135 mm x 85 mm x 25.2 mm)
Weight (including cables)	1.65 lb. (0.75 kg)
Input connector	MC4
Output connector	MC4
Output wire length	47 inch (1.2 m)
Operating temperature	-40℃ ~ 85 ℃
Humidity range	0-100 %
Protection rating	NEMA Type 6P
Monitoring	
Communication	Power Line Communication
Monitoring parameters	PV voltage, PV current, module temperature, output power, etc.
PV System Design Using A SUN2000L Inverter	
Min. string length (power optimizers)	6
Max. string length (power optimizers)	25
Max. power per string	5550 W
Parallel strings of different lengths or orientations	Yes