

Solis-1P(3.6-5)K-4G-US

Solis Single Phase US Inverters



Features:

- ▶ Max. efficiency 98.1% (CEC efficiency 97.3%)
- ▶ CA Rule 21 compliant and UL 1741 SA Certified
- ▶ Sunspec protocol with cellular and WiFi communication
- ▶ Built-in Sunspec certified module level rapid shutdown transmitter
- ▶ Optional Built-in Revenue Grade Meter, ANSI C12.20-2010 compliance
- ▶ Fast and dynamic MPPTs and industry-leading DC voltage range
- ▶ Integrated Arc Fault Circuit Interrupt (AFCI)
- ▶ 10 years standard warranty with extension options

Model:

Solis-1P3.6K-4G-US
Solis-1P5K-4G-US



Ordering: Solis-1P(3.6-5)K-4G-US-AFCI

- SPRT (SunSpec MLRSD Transmitter)
- RGM-SPRT (Revenue Grade Meter and Transmitter)
- RSS (Tigo MLRSD Transmitter)
- RGM-RSS (Revenue Grade Meter and Tigo MLRSD Transmitter)

Datasheet

Model Name	Solis-1P3.6K-4G-US	Solis-1P5K-4G-US
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Input DC

Recommended max. PV power	4 kW	6 kW
Max. input voltage	600 V	
Rated voltage	330 V	
Start-up voltage	120 V	
MPPT voltage range	90-520 V	
Max. input current	11 A / 11 A	
Max. short circuit current	17.2 A / 17.2 A	
MPPT number/Max. input strings number	2/2	

Output AC

Rated output power	3.6 kW	5 kW
Max. apparent output power	3.6 kVA	5 kVA
Max. output power	3.6 kW	5 kW
Rated grid voltage	1Φ/PE, 240 V / 208 V	
Rated grid frequency	60 Hz	
Max. output current for 240V grid	15.0 A	20.8 A
Max. output current for 208V grid	17.3 A	24.0 A
Power Factor	>0.99 (0.8 leading - 0.8 lagging)	
THDi	<3%	

Efficiency

Max. efficiency	97.8%	98.1%
CEC efficiency	97.1%	97.3%

Protection

DC reverse-polarity protection	Yes
Ground fault monitoring	Yes
Anti-islanding protection	Yes
Integrated AFCI (DC arc-fault circuit protection)	Yes
Integrated DC switch	Yes
Rapid shutdown	Built-In Certified Sunspec or Tigo Transmitter
Compliant MLRSD Products	TS4-A-F/2F, RSD-PFK, APSmart RSD-S-PLC

General Data

Dimensions (W*H*D)	13.9*31.9*6.5 in (353*810*165 mm)
Weight	33.1 lbs (15 kgs)
Topology	Transformerless
Self consumption (night)	<1 W
Relative humidity	0-100%
Operating ambient temperature range	-13°F to 140°F (-25°C to 60°C)
Storage environment	-13°F to 176°F (-25°C to 80°C)
Ingress protection	TYPE 4X
Cooling concept	Natural convection
Max. operation altitude	13,120 ft (4000 m)
Compliance	UL 1741, IEEE 1547, UL 1699B, UL 1998, FCC, UL 1741SA, California Rule 21, SRD-UL1741

Features

DC connection	1 knockout for 3/4" conduit at bottom, side and back, Screw clamp terminal
AC connection	1 knockout for 3/4" conduit at bottom, side and back, OT terminal
Display	LCD
Communication	RS485, Optional: Cellular, Wi-Fi