

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

Solis Single Phase US Inverters

>> Models:

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

Solis-1P5K-4G-US



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

- APST (APS MLRSD Transmitter)
- RSS (Tigo MLRSD Transmitter)



Features:

- Max. efficiency 97.7% (CEC efficiency 97.1%)
- String current up to **14A**
- CA Rule 21 compliant and UL 1741 SB Certified
- Sunspec protocol with option cellular and WiFi
- Integrated module level rapid shutdown transmitter
- Support module level monitoring
- Optional Built-in Revenue Grade Meter, ANSI C12.20-2010 compliance
- Fast and dynamic MPPTs and industry-leading DC voltage range
- AFCI protection, proactively reduces fire risk
- 10 years standard warranty with extension options

DATASHEET**Solis-1P(3.6-5)K-4G-US****Models****3.6K****5K****Input DC**

Max. input voltage	600 V	
Rated voltage	330 V	
Start-up voltage	120 V	
MPPT voltage range	90-520 V	
Max. input current	14 A / 14 A	
Max. short circuit current	22 A / 22 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	97.3%	97.7%
CEC efficiency	96.6%	97.1%

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 APS or Tigo Transmitter
Surge Protection	DC Type III / AC Type III
Compliant MLRSD Products	TS4-A-F/2F, APSmart RSD-S / RSD-D

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	UL1741SB, UL1741SA, IEEE 1547-2018, UL1699B, UL1998, FCC Part15 ClassB, California Rule 21, Heco Rule 14H, NEC 690.12-2020, CAN/CSA C22.2107.1-1

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