

Solis-25K-US-SW

Solis Three Phase US Inverters



Features:

- ▶ Compact and lightweight design inside a corrosion-resistant NEMA 4X enclosure
- ▶ Designed for all commercial, industrial and utility scale applications
- ▶ Transformer-less three phase design with 480Vac output
- ▶ 98.6% efficient (98.3% CEC) with ultra-low start up voltage
- ▶ Industry-leading 4 MPPT designs with fast (<5 sec.) MPPT response times
- ▶ Integrated Arc Fault Circuit Interrupt (AFCI) option
- ▶ RS-485 Modbus communication protocol with Wi-Fi interface
- ▶ 7" LCD color display
- ▶ Web based data monitoring with downloadable Solis Mobile App
- ▶ 10 Years Standard Warranty with extension options



Model:

Solis-25K-US-SW

Datasheet

Model	Solis-25K-US-SW
DC Values	
Max. power per MPPT(Watts)	13500
Max. DC input power(Watts)	37500
Max. voltage(Volts)	1000
Startup voltage(Volts)	350
Full power MPPT voltage range(Volts)	347-800
Operating MPPT voltage range(Volts)	200-800
Max. usable input current per MPPT(Amps)	18*4
Max. short circuit input current(Amps)	28.1*4
Number of MPPT/Inputs per MPPT	4/2
AC Values	
Nominal output power(Watts)	25000
Max. apparent output power(VA)	25000
Max. continuous output power(Watts)	25000
Operating voltage range(Volts)	422.4-528(for 480V rated)
Operating frequency range (Hertz)	59.5-60.5
Operating phase	3/PE
Max. output current(Amps)	30.1
Max. overcurrent protection device(Amps)	40
Power Factor	0.8leading ... 0.8lagging
Grid current THD	<3%
DC injection current(mAmps)	<50
Efficiency	
Peak efficiency	98.6%
CEC weighted efficiency	98.3%
MPPTefficiency	>99.5%
Protection	
Temperature protection	Yes
DC reverse-polarity protection	Yes
AC short circuit protection	Yes
AC output overcurrent protection	Yes
Output overvoltage protection-Varistor	Yes
Ground fault monitoring	Yes
Grid monitoring	Yes
Islanding protection	Yes
Integrated AFCI(DC arc-fault circuit protection)	Yes
Integrated DC switch	Yes
Rapid shutdown	Yes
General Data	
Connections	4 knockout for 1.5" conduit at bottom and side. DC side Fuse terminal, AC side terminal block
Dimensions(W*H*D)	21.1*38.0*14.1in(535*966*358mm)
Weight (inverter)/Weight (wiring box)	127lb (57.7kg)/22.8lb(10.2kg)
Topology	Transformerless
Internal consumption	<1W (Night)
Ambient operating temperature range	-25°C-60°C/-13°F-140°F
Enclosure type	NEMA 4X
Noise emission(typical)	<30dBA
Cooling concept	Natural convection
Max.operating altitude without derating	13120ft(4000m)
Designed lifetime	>20years
Compliance	UL 1741, UL 1741SA, UL 1998, UL 1699B, IEEE 1547, FCC Part 15 (Class A & B), CAN/CSA C22.2 107.1-1, Rule 21 Phaes I, II&III
Features	
OTA update	Yes
Communication protocol	Sunspec Modbus
Communication	RS-485 optional cellular/WIFI
Display	7.0"LCD color screen display
Warranty	10 Years STD (Extendable to 20 Years)