

Three

25kW



Solis Three Phase US Inverter

- ▶ 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
- ▶ Roof top horizontal installation for Fan(-F) model.
- ▶ Industry-leading 4 MPPT designs with fast (<5 sec.) MPPT response times
- ▶ CA Rule 21 compliance and UL 1741 SA certified
- ▶ RS485 Modbus communication protocol with Wi-Fi interface (optional GPRS/LAN)
- ▶ Integrated Arc Fault Circuit Interrupt (AFCI)
- ▶ Web based data monitoring with downloadable Solis Web App
- ▶ 10 Year Standard Warranty with extension options

Model:

Solis-25K-US

Features:

Smart
Redundant
fan-cooling

Four
MPPT

7"
LCD

WiFi/GPRS
/LAN
Real time
monitoring

Available on the iPhone
App Store
Available on the iPhone
App Store

NEMA 4X

Datasheet

Model	Solis-25K-US
DC Values	
Max voltage(V)	1000
Startup voltage(V)	350
Operating MPPT voltage range(V)	200-800
Max usable input current per MPPT(A)	18*4
Number of MPPT/Inputs per MPPT	4/2
AC Values	
Nominal output power(W)	25000
Max. continuous output power(W)	25000
Nominal grid voltage(V)	480
Operating voltage range(V)	422.4-528
Operating phase	Three
Max. output current(A)	30.1
Max. overcurrent protection device(Amps)	40
Output power factor range	0.8leading ... 0.8lagging
Grid current THD	<3%
DC injection current (A)	<50
Operating frequency range(Hz)	59.5-60.5
Efficiency	
Peak efficiency	98.6%
CEC weighted efficiency	98.3%
MPPT efficiency	>99.5%
Protection	
DC reverse-polarity protection	Yes
AC short circuit protection	Yes
AC output overcurrent protection	Yes
Output over voltage protection-Varistor	Yes
Ground fault monitoring	Yes
Grid monitoring	Yes
Islanding protection	Yes
Temperature protection	Yes
Integrated DC switch	Yes
Integrated AFCI(DC arc-fault circuit protection)	Yes
General Data	
Dimensions(W*H*D)	23.4*37.2*14.4in (595*945*356.5mm)
Weight	147.7lb (67kg)
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(m/ft)	13120ft (4000m)
Designed lifetime	>20 years
Compliance	UL 1741, UL 1998, UL 1699B, IEEE 1547, FCC Part 15 (Class A & B), CAN/CSA C22.2 107.1-1
Relative humidity range	0~100%
Features	
Connections	4 knockout for 1.5" conduit at bottom and side. DC side Fuse terminal, AC side terminal block.
Display	7.0" LCD color display
Interface	RS485, WiFi/GPRS/LAN(Optional)
Warranty	10 Years STD (Extendable to 20 Years)