

Three

6kW
-
20kW

Solis Three Phase US Inverter

- ▶ Three phase output
- ▶ Over 98.3% Max. efficiency
- ▶ Ultra wide input voltage range
- ▶ Dual MPPT design with precise MPPT algorithm
- ▶ Integrated AFCI option
- ▶ Compact and light design for one-person easy installation
- ▶ NEMA 4X, visually pleasing for indoor and outdoor installations
- ▶ RS485 Modbus communication protocol with Wi-Fi interface (optional GPRS/LAN)
- ▶ Numerous protection functions for "peace of mind"
- ▶ Web-based data monitoring and on-the-go monitoring via smart phone app
- ▶ 10 Year Standard Warranty with extension options



Model:

Solis- 6K - US

Solis- 10K - US

Solis- 15K - US

Solis- 20K - US

Features:

Fanless
Cooling
Concept

Ultra wide
Voltage
Range

WiFi/GPRS
/LAN
Real time
monitoring

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

NEMA 4X

Weight
63.9lb

Datasheet

Model	Solis-6K-US	Solis-10K-US	Solis-15K-US	Solis-20K-US
DC Values				
Max voltage(V)	1000			
Startup voltage(V)	330			
Operating MPPT voltage range(V)	200-800			
Max usable input current per MPPT(A)	15	18		
Number of MPPT/Inputs per MPPT	2/1	2/2		
AC Values				
Nominal output power(W)	6000	10000	15000	20000
Max. continuous output power(W)	6600	11000	16500	20000
Nominal grid voltage(V)	480			
Operating voltage range(V)	422.4-528			
Operating phase	Three			
Max. output current(A)	7.2	12	18	24
Output power factor range	1 (default) and 0.8 leading ... 0.8 lagging adjustable			
Grid current THD	<3%			
DC injection current (A)	<20		<50	
Operating frequency range(H)	59.5-60.5			
Efficiency				
Peak efficiency	98.3%			
CEC weighted efficiency	97.5%			
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			
Rapid shutdown	Yes			
General Data				
Dimensions(W*H*D)	16.9*26.1*9.3in (430*662.5*235mm)			
Weight	63.9lb (29kg)		70.5lb (32kg)	
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			
Operating surroundings humidity	0~100% Condensing			
Features				
Connections	2 knockout for 3/4" and 1" conduit at bottom and side			
Display	LCD,2*20 Z.			
Interface	RS485, WiFi/GPRS/LAN(Optional)			
Warranty	10 Years STD (Extendable to 20 Years)			