

Solis-(15-20)K-LV

Solis Three Phase Inverters



Features:

- ▶ Max. efficiency 97.0%
- ▶ Wide voltage range and low startup voltage
- ▶ 7.0" LCD color screen display
- ▶ Compact and light design, easy installation
- ▶ IP65 rated for outdoor installation
- ▶ Anti-resonance, supporting over 6MW paralleled in one transformer
- ▶ RS485, WiFi/LAN/GPRS (optional) interface
- ▶ WiFi monitoring available-Android and Apple App store available



Model:

220V: Solis-15K-LV Solis-20K-LV

Datasheet

Model Name	Solis-15K-LV	Solis-20K-LV
------------	--------------	--------------

Input DC

Recommended max. PV power	18kW	24kW
Max. input voltage	1100V	
Rated voltage	600V	
Start-up voltage	350V	
MPPT voltage range	200-800V	
Max. input current	20A/20A	
Max. short circuit current	28.1 A	
MPPT number/Max. input strings number	2/4	

Output AC

Rated output power	15kW	20kW
Max. apparent output power	15kVA	20kVA
Max. output power	15kW	20kW
Rated grid voltage	3/N/PE, 220/380V, 230/400V	
Rated grid frequency	50/60Hz	
Rated grid output current	39.4A	52.5A
Max. output current	39.4A	52.5A
Power Factor	>0.99 (0.8 leading - 0.8 lagging)	
THDi	<3%	

Efficiency

Max. efficiency	97.0%
EU efficiency	96.5%

Protection

DC reverse-polarity protection	Yes
Short circuit protection	Yes
Output over current protection	Yes
Surge protection	Yes
Grid monitoring	Yes
Anti-islanding protection	Yes
Temperature protection	Yes
Integrated DC switch	Optional

General Data

Dimensions (W*H*D)	530*700*356.5 mm
Weight	58.2kg
Topology	Transformerless
Self consumption	<1W (night)
Operating ambient temperature range	-25 ~ +60°C
Relative humidity	0-100%
Ingress protection	IP65
Cooling concept	Natural convection
Max. operation altitude	4000m
Grid connection standard	EN50438, G59/3, AS4777, VDE0126-1-1, IEC61727
Safety/EMC standard	IEC62109-1/-2, AS3100, EN61000-6-1, EN61000-6-3

Features

DC connection	MC4 connector
AC connection	OT terminal
Display	7.0"LCD color screen display
Communication	RS485, Optional: Wi-Fi, GPRS