

# Solis-(15-20)K-LV

## Solis Three Phase Inverters



### Features:

- ▶ Solis Three Phase Range
- ▶ Over 97.0% Max. efficiency
- ▶ 200V-800V MPPT voltage range-ultra low startup
- ▶ 7.0" LCD color screen display
- ▶ Compact and light design, easy installation
- ▶ IP65 rated for outdoor installation
- ▶ Anti-resonance, single transformer can connect 6M+ in parallel
- ▶ RS485, WiFi/LAN/GPRS (optional) interface
- ▶ WiFi monitoring available-Android and Apple App store available
- ▶ 5 years standard warranty, 20 years optional upgrade



### Model:

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

### Datasheet

Model Name	Solis-15K-LV	Solis-20K-LV
<b>Input DC</b>		
Max. DC input power(kW)	18	24
Max. DC input voltage(V)		1000
Start-up voltage(V)		350
MPPT voltage range(V)		200-800
Max. input current(A/B/C/D)		20A+20A
Max Short Circuit current for each MPPT		28.1A
MPPT number/Max input strings number		2/4
<b>Output AC</b>		
Rated output power(kW)	15	20
Max. apparent output power(kVA)	15	20
Max. output power(kW)	15	20
Rated grid voltage(V)		220
Rated grid frequency(Hz)		50/60
Grid frequency range(Hz)		47-52 or 57-62
Operation phase		Three Phase
Rated grid output current(A)	39.4	52.5
Max. output current(A)	39.4	52.5
Power Factor (at rated output power)		0.8leading ... 0.8lagging
THDi (at rated output power)		<3%
DC injection current		<0.5%In
<b>Efficiency</b>		
Max. efficiency		97.0%
EU efficiency		96.5%
MPPT efficiency		>99.9%
<b>Protection</b>		
DC reverse-polarity protection		Yes
Short circuit protection		Yes
Output over current protection		Yes
Output over voltage protection		Yes
Insulation resistance monitoring		Yes
Residual current detection		Yes
Surge protection		Yes
Grid monitoring		Yes
Islanding protection		Yes
Temperature protection		Yes
Integrated DC switch		Optional
<b>General Data</b>		
Dimensions(mm)		530W*700H*356.5D
Weight (kg)		58.2
Topology		Transformerless
Self consumption (night)		<1W (Night)
Operating ambient temperature range		-25~60°C
Relative humidity		0~100%
Ingress protection		IP65
Noise emission(typical)		<30 dBA
Cooling concept		Natural convection
Max. operation altitude		4000m
Designed lifetime		>20 years
Grid connection standard		En50438, G59/3, AS4777, VDE0126-1-1, IEC61727
Safety/EMC standard		IEC62109-1/-2, AS3100, EN61000-6-1,EN61000-6-2,EN61000-6-3,EN61000-6-4,
<b>Features</b>		
DC connection		MC4
AC connection		Terminal connectors
Display		7.0" LCD color screen display
Communication connections		4 pins RS485 connector, 2 RJ45 connector, 2 group of terminal block
Monitoring		WiFi or GPRS
Warranty		5 years (extend to 20 years)