

Solis-25K-LV

Solis Three Phase Inverters



Features:

- ▶ Over 97% Max. efficiency
- ▶ Wide voltage range and low startup voltage
- ▶ 2 MPPT input, each rated current is 28.5A, compatible with high power module
- ▶ THDi<3%, low harmonic distortion against grid
- ▶ Anti-resonance, Supporting over 6MW paralleled in one transformer
- ▶ Perfect commercial site monitoring solution
- ▶ Intelligent redundancy fan



Model:

220V: Solis-25K-LV

Datasheet

Model Name	Solis-25K-LV
Input DC	
Max. input power	30kW
Max. input voltage	1100V
Rated voltage	600V
Start-up voltage	200V
MPPT voltage range	200-850V
Max. input current	28.5A/28.5A
Max. Short Circuit current	44.5A/44.5A
MPPT number/Max. input strings number	2/6
Output AC	
Rated output power	25kW
Max. apparent output power	25kVA
Max. output power	25kW
Rated grid voltage	3/PE, 220V
Rated grid frequency	50Hz/60Hz
Rated grid output current	65.6A
Max. output current	65.6A
Power Factor	>0.99 (Adjustable from 0.8 leading to 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 (DC/AC)	Yes
Grid monitoring	Yes
Anti-Islanding protection	Yes
Temperature protection	Yes
Integrated DC switch	Optional
General Data	
Dimensions (W*H*D)	630mm*700mm*357mm
Weight	63kg
Topology	Transformerless
Self consumption	<1W (Night)
Operating ambient temperature range	-25~60°C
Relative humidity	0~100%
Ingress protection	IP65
Cooling concept	Intelligent redundant fan-cooling
Max. operation altitude	4000m
Grid connection standard	EN50438, G99, AS4777, VDE0126-1-1, IEC61727
Safety/EMC standard	IEC62109-1/-2, AS3100, EN61000-6-1, EN61000-6-3
Features	
DC connection	MC4
AC connection	OT Terminal connectors
Display	LCD, 2×20 Z.
Communication	RS485; WiFi/GPRS (optional)