Solis-30K

Features:

▶ Solis Three Phase Range

▶ Over 98.8% Max. effciency

▶ 200V-800V MPPT voltage range-ultra low startup

▶ 7.0" LCD color screen display

▶ Four MPPT design with precise MPPT algorithm

▶ 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

700mm

530mm

356.5mm

Model:

400V: Solis-30K

Datasheet

Model Name	Solis-30K
Input DC	
Max. DC input power(kW)	36
Max. DC input voltage(V)	1000
Start-up voltage(V)	350
MPPT voltage range(V)	200-800
Max. input current(A/B/C/D)	18A+18A+18A+18A
MPPT number/Max input strings number	4/A:2; B:2; C:2; D:2
Output AC	
Rated output power(kW)	30
Max. apparent output power(kVA)	33
Max. output power(kW)	33
Rated grid voltage(V)	400
Rated grid frequency(Hz)	50/60
Grid frequency range(Hz)	47-52 or 57-62
Operation phase	Three Phase
Rated grid output current(A)	43.3
Max. output current(A)	50
Power Factor (at rated output power)	0.8leading ... 0.8lagging
THDi (at rated output power)	<3%
DC injection current	<0.5%In
Efficiency	
Max. efficiency	98.6%
EU efficiency	98.3%
MPP Tefficiency	>99.9%
Protection	
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
General Data	
Dimensins(mm)	530W*700H*356.5D
Weight (kg)	58.2
Topology	Transformerless
Self consumption (night)	<1W (Night)
Operating ambient temperature range	-25~60℃
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, G99
Safty/EMC standard	IEC62109-1/-2, AS3100, EN61000-6-1, EN61000-6-3
Features	
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 (extand to 20 years)