

Solis-20K

Solis Three Phase Inverters



Features:

- ▶ Solis Three Phase Range
- ▶ Over 98.6% Max. efficiency
- ▶ 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-plus access to Android and Apple apps



Model:

Solis-20K

Datasheet

Model Name	Solis-20K
Input DC	
Max. DC input power(kW)	27
Max. DC input voltage(V)	1000
Nominal DC voltage(V)	600
Start-up voltage(V)	350
MPPT voltage range(V)	200-800
Max. input current(A/B/C/D)	18A+18A+18A+18A
Max. Short Circuit current for each MPPT	23.4A+23.4A+23.4A+23.4A
MPPT number/Max input strings number	4/8
Output AC	
Rated output power(kW)	20
Max. apparent output power(kVA)	22
Rated grid voltage(V)	400
Rated grid frequency(Hz)	50/60
Rated grid output current(A)	28.7
Max. output current(A)	33.3
Power Factor (at rated output power)	0.8leading ... 0.8lagging
THDi (at rated output power)	<3%
Efficiency	
Max. efficiency	98.6%
EU efficiency	98.3%
MPPT efficiency	>99.9%
Protection	
DC reverse-polarity protection	Yes
Insulation resistance monitoring	Yes
Residual current detection	Yes
Surge protection	Yes
Islanding protection	Yes
Integrated DC switch	Optional
General Data	
Dimensions(mm)	530W*700H*356.5D
Weight (kg)	57.2
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
Grid connection standard	EN50438, AS4777, VDE0126-1-1, IEC61727, G99, IEC 62116
Safety/EMC standard	IEC62109-1/-2, AS3100, EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4
Features	
DC connection	MC4
AC connection	Terminal connectors
Display	7.0" LCD color screen display
Communication connections	4 pins RS485 connector , 2 RJ45 connector
Monitoring	WiFi or GPRS
Warranty	5 years (extend to 20 years)