

Solis-(20-33)K,Solis-30K-MX

Solis Three Phase Inverters



Features:

- ▶ Over 98.7% Max. efficiency
- ▶ 200V-800V MPPT voltage range-ultra low startup
- ▶ 7.0" LCD color screen display
- ▶ Complies with Western Power, SA, VIC, QLD, and NSW grid requirements
- ▶ Four MPPT design with precise MPPT algorithm
- ▶ Compact and light design, easy installation
- ▶ IP65 rated for outdoor installation
- ▶ Optional AFCI function



Model:

Solis-25K Solis-25K Solis-30K
 Solis-30K-MX Solis-33K

Datasheet

Model Name	Solis-20K	Solis-25K	Solis-30K	Solis-30K-MX	Solis-33K
Input DC					
Max. input power	27kW	33kW	40kW	40kW	44kW
Max. input voltage	1000V				
Rated voltage	600V				
Start-up voltage	350V				
MPPT voltage range	200-800V				
Max. input current	4*18A				
Max. Short Circuit current	4*23.4A				
MPPT number/Max. input strings number	4/8				
Output AC					
Rated output power	20kW	25kW	30kW	29.99kW	33kW
Max. apparent output power	22kVA	27.5kVA	33kVA	29.99kVA	33kVA
Max. output power	22kW	27.5kW	33kW	29.99kw	33kW
Rated grid voltage	3/N/PE, 230/400V				
Rated grid frequency	50Hz				
Rated grid output current	28.7A	36.1A	43.3A	43.3A	47.8A
Max. output current	33.3A	41.7A	50A	50A	50A
Power Factor	>0.99 (Adjustable from 0.8 leading to 0.8 lagging)				
THDi	<3%				
Efficiency					
Max. efficiency	98.6%				98.7%
EU efficiency	98.3%				
Protection					
DC reverse-polarity protection	Yes				
Short circuit protection	Yes				
Output over current protection	Yes				
Surge protection (DC/AC)	Yes				
Grid monitoring	Yes				
Islanding protection	Yes				
Temperature protection	Yes				
Integrated DC switch	Optional				
General Data					
Dimensions (W*H*D)	530mm*700mm*356.5 mm				
Weight	57.2kg	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	AS/NZS 4777.2				
Safety/EMC standard	IEC 62109-1/-2, IEC62116, EN 61000-6-1/-2/-3/-4				
Features					
DC connection	MC4				
AC connection	Terminal connectors				
Display	7.0"LCD color screen display				
Communication	RS485;WiFi / GPRS (optional)				