

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

## Solis Three Phase Inverters



### Features:

- ▶ Solis Three Phase Range
- ▶ Over 98.7% 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:

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

## Datasheet

Model Name	Solis-20K	Solis-25K	Solis-30K	Solis-33K	Solis-30K-MX
<b>Input DC</b>					
Max. DC input power(kW)	27	33	40	44	40
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				
<b>Output AC</b>					
Rated output power(kW)	20	25	30	33	29.99
Max. apparent output power(kVA)	22	27.5	33	33	29.99
Rated grid voltage(V)	400				
Rated grid frequency(Hz)	50/60				
Rated grid output current(A)	28.7	36.1	43.3	47.8	43.3
Max. output current(A)	33.3	41.7	50	50	50
Power Factor (at rated output power)	0.8leading ... 0.8lagging				
THDi (at rated output power)	<3%				
<b>Efficiency</b>					
Max. efficiency	98.6%			98.7%	98.6%
EU efficiency	98.3%				
MPPT efficiency	>99.9%				
<b>Protection</b>					
DC reverse-polarity protection	Yes				
Insulation resistance monitoring	Yes				
Residual current detection	Yes				
Surge protection	Yes				
Islanding protection	Yes				
Integrated DC switch	Optional				
<b>General Data</b>					
Dimensions(mm)	530W*700H*356.5D				
Weight (kg)	57.2	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				
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				
<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				
Monitoring	WiFi or GPRS				
Warranty	5 years (extend to 20 years)				