

Solis-(25-40)K, Solis-(36-40)K-HV

Solis Three Phase Inverters



Features:

- ▶ Solis Three Phase Range
- ▶ Over 98.8% 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-Android and Apple App store available
- ▶ 5 years standard warranty, 20 years optional upgrade



Model:

400V: Solis-25K Solis-30K Solis-33K
480V: Solis-36K-HV Solis-40K-HV

Datasheet

Model Name	Solis-25K	Solis-30K	Solis-33K	Solis-36K-HV	Solis-40K-HV
Input DC					
Max. DC input power(kW)	30	36	40	43	48
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)	25	30	33	36	40
Max. apparent output power(kVA)	27.5	33	33	40	44
Max. output power(kW)	27.5	33	33	40	44
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)	36.1	43.3	47.8	43.3	48.1
Max. output current(A)	41.7	50	50	47.8	53
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%	98.6%	98.7%	98.8%	98.8%
EU efficiency	98.3%	98.3%	98.3%	98.4%	98.4%
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°C				
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 (extend to 20 years)				