

Solar King

SLK series lighten up home and office through sunshine transformation.

POWERCOM Solar King, the most advanced grid PV-inverter in the world. Converting sun light into electricity energy for home/industrial applications, and powering up our world with free solar energy is now no longer just a dream.



SLK-3000

Specifications

Model	SLK-3000	SLK-4000	SLK-6000
Input			
Maximum Input Power	3510W	4700W	6500W
PV Open Voltage	500VDC		600VDC
Normal DC Voltage	360V		
MPPT Voltage Range	150 to 500VDC ± 5%		150 to 600VDC ± 5%
System Start-up Voltage	100 ± 5%		
Working Voltage	100 ± 5% to 500 - 5% + 0%V		100 ± 5% to 600 - 5% + 0%V
Initial Feeding Voltage	150V ± 5%		
Max Input Current	17.6ADC	18.8ADC	30ADC
Full Rating Working Range	200V to 500V	250V to 500V	205V to 600V
Shutdown Voltage	80V		
DC Voltage Ripple	< 10%		
DC Insulation Resistance	> 8M ohm		
DC Switch	ON / OFF 20A		ON / OFF 30A
Attached DC Connector	Tyco or MC4 contact(1 pair)		
DC Connector	Tyco or MC4 contact (1 pair)-cable type	Tyco or MC4 contact (3 pair)	
Output			
Normal Output Power	3000 W	4000 W	6000 W
Maximum Output Power	3300 W	4400 W	6000 W
Operational Voltage Range	184V minimum ; 264V maximum		
Operational Normal Voltage	230Vac		
Operational Frequency Range	50 / 60Hz auto selection, 47.5 ≤ f50 ≤ 53 for 50Hz, 57 ≤ f60 ≤ 63 for 60Hz		
Normal Output Current	13.0A	17.4A	26.1A
O / P Current Distortion	THD < 4%, each harmonics < 3%		
Power Factor	> 0.99		
DC Current Injection	< 0.5% of rated inverter output current		
Internal Power Consumption	< 7W		< 10W
Standby Power(at night)	< 0.1W		
Minimum Conversion Efficiency (DC/AC)	> 90% under input voltage > 210V, load > 20%		
Maximum Conversion Efficiency	> 95%	> 96%	
European Efficiency	> 94%	> 95%	
GFCI Threshold	See ground fault current detection		
Ground Current Detection Range	0 to 500mA		
Ground Current Detection Frequency	0 to 700Hz		
Environment			
Protection Degree	IP 65		
Operation Temperature	- 20 °C to +55 °C		
Humidity	0 to 95%, non-condensing		
Heat Dissipation	Convection		
Acoustic Noise Level	< 40 dB, A-weighted, frequency up to 20k Hz		
Altitude	Up to 3000m without power derating, 5 °C derated for each additional 500m		
Physical			
Dimension W x D x H (mm)	352 x 300 x 143	550 x 300 x 133	550 x 420 x 143
Weight (kgs)	14	21	27

* Specifications are subject to change without further notice.

* Specifications are for reference, please refer to information based on real product.