

# 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
<b>Input</b>			
Maximum Input Power	3510W	4700W	6500W
PV Open Voltage	500Vdc		600Vdc
Normal DC Voltage	360Vdc		450 ~ 500Vdc
MPPT Voltage Range	150 to 500Vdc ± 5%		150 to 600Vdc ± 5%
System Start-up Voltage	100Vdc ± 5%		
Working Voltage	100 to 500Vdc ± 5%		100Vdc ± 5% to 600Vdc -5% +0%
Initial Feeding Voltage	150Vdc± 5%		
Max Input Current	17.6A <sub>dc</sub>	18.8A <sub>dc</sub>	30A <sub>dc</sub>
Full Rating Working Range	200 to 500Vdc	250 to 500Vdc	250 to 600Vdc
Shutdown Voltage	130Vdc		
DC Voltage Ripple	< 10%		
DC Insulation Resistance	> 1M ohm		
DC Switch	ON / OFF 20A		ON / OFF 30A
DC Connector	MC4 contact (1 pair)	MC4 contact (3 pair)	
Attached DC Connector	MC4 contact (1 pair)	MC4 contact (2 pair)	MC4 contact (3 pair)
<b>Output</b>			
Normal Output Power	3000 W	4000 W	6000 W
Maximum Output Power	3300 W	4200 W	6000 W
Operational Voltage Range	187Vac minimum ; 242Vac maximum		
Operational Normal Voltage	220Vac		
Operational Frequency Range	50 / 60Hz auto selection, 47.5 ≤ f50 ≤ 53 for 50Hz, 57 ≤ f60 ≤ 63 for 60Hz		
Normal Output Current	13.6A	18.1A	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		
Standby Power(at night)	< 0.1W		
Minimum Conversion Efficiency (DC/AC)	> 90% under input voltage > 210V, load > 20%		
Maximum Conversion Efficiency (DC/AC)	> 95%	> 96%	
European Efficiency	> 94%	> 95%	
Ground Current Detection Range	0 to 200mA		
Ground Current Detection Frequency	0 to 100Hz		
<b>Environment</b>			
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		
<b>Physical</b>			
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.