

PV Inverter

SOLAR KING 1500/2000/3000

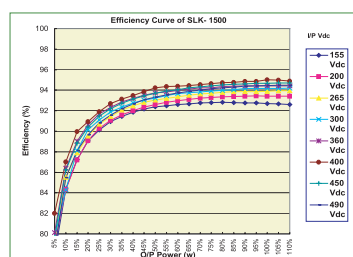


Specification

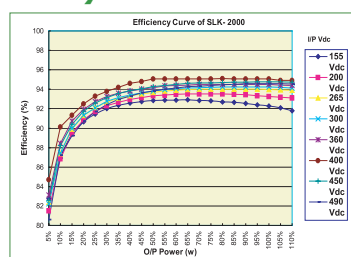
MODEL		SLK-1500	SLK-2000	SLK-3000
Input Data	Maximum Input power	1750W	2340W	3510W
	PV OPEN voltage	500VDC		
	Nominal DC voltage	360 ~ 400V		
	MPPT voltage range	200V to 400V +/-5%		
	System start-up voltage	100 +/-5%		
	Working voltage	100 +/-5% ~ 500 -5% +0%V		
	Initial feeding voltage	150V +/-5%		
	Max. input current	7.5ADC	10ADC	15ADC
	Full rating working range	200V to 500V		
	Shutdown voltage	80V typical		
	DC voltage ripple	< 10%		
	DC insulation resistance	> 8M ohm		
	DC switch	ON / OFF 20A		
	DC connector	Tyco or MC4 contact (1 pair) - cable type		
	Attached DC connector	Tyco or MC4 contact (1 pair)		
Output Data	Nominal output power	1500W	2000W	3000W ⁷
	Maximum output power	1650W	2200W	3300W ⁸
	Operational voltage range ¹	198V, minimum 256V, maximum		
	Operational normal voltage	230Vac		
	Operational frequency range	50/60Hz, auto selection 47.5 ≤ f ₅₀ ≤ 50.2 for 50Hz ² 59.3 ≤ f ₆₀ ≤ 60.5 for 60Hz ³		
	Nominal output current	6.6A	8.7A	13.0A
	O/P current distortion ⁴	THD <5%, each harmonics <3%		
	Power Factor	>0.99		
	DC current injection	<0.5% of rated inverter output current		
	Internal power consumption	< 7W		
	Standby power (at night)	< 0.1W		
	Minimum conversion efficiency (DC / AC)	> 90% Under input voltage >210V, load>20%		
	Maximum conversion efficiency (DC / AC) ⁵	>95%	>96%	>96%
	European Efficiency	>94%	>95%	>95%
	GFCI threshold ⁶	See ground fault current detection		
	Ground current detection range	0 ~ 500mA		
	Ground current detection frequency	0 ~ 700Hz		
	Protection degree	IP 65		
	Operation temperature	-20 to 55°C		
	Humidity	0 to 95%, non-condensing		
Heat Dissipation	Convection			
Acoustic noise level	< 40dB, A-weighted, frequency up to 20kHz			
Altitude	Up to 3000m without power derating, 5°C derated for each additional 500m			
Physical : W x D x H (mm)	352 x 300 x 133	352 x 300 x 133	352 x 300 x 143	
Physical : Weight (kg)	14	14	14	
Shipping : W x D x H (mm)	460 x 460 x 265	460 x 460 x 265	460 x 460 x 265	
Shipping : Weight (kg)	16	16	16	

- 1.VDE0126-1-1, it is -20% / +15% 2.Based on the limit of VDE0126-1-1 3.Based on limit of IEEE1547 reference IEEE1547, EN61000-3-2 4.Under utility voltage THD<3%,
 5.under input voltage ≥ 400V, full rated output power, 25°C ambient 6.According to VDE0126-1-1 requirement
 7.Based on the output voltage is higher than 200Vac 8.Based on the output voltage is higher than 220Vac

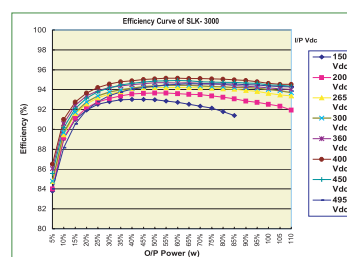
The maximum efficiency curve :



SLK-1500



SLK-2000



SLK-3000

PV Inverter

SOLAR KING 4000/6000

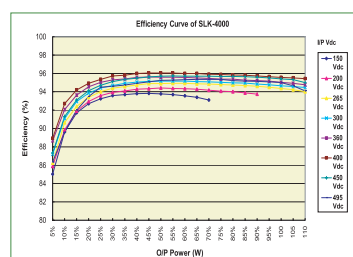


Specification

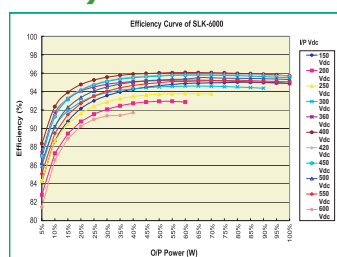
MODEL		SLK-4000	SLK-6000
Input Data	Maximum Input power	4700W	6500W
	PV OPEN voltage	500VDC	650VDC
	Nominal DC voltage	360 ~ 400V	
	MPPT voltage range	200V to 400V +/-5%	150V to 600V +/-5%
	System start-up voltage	100 +/-5%	
	Working voltage	100 +/-5% ~ 500 -5% +0%V	100 +/-5% ~ 600 -5% +0%V
	Initial feeding voltage	150V +/-5%	
	Max. input current	20ADC	25ADC
	Full rating working range	250V to 500V	250V to 600V
	Shutdown voltage	80V typical	
	DC voltage ripple	< 10%	
	DC insulation resistance	> 8M ohm	
	DC switch	ON / OFF 20A	ON / OFF 30A
	DC connector	Tyco or MC4 contact (3 pair)	
	Attached DC connector	Tyco or MC4 contact (1 pair)	
Output Data	Nominal output power	4000W	6000W
	Maximum output power	4400W	6000W
	Operational voltage range ¹	198V, minimum 256V, maximum	
	Operational normal voltage	230Vac	
	Operational frequency range	50/60Hz, auto selection 47.5 ≤ f ₅₀ ≤ 50.2 for 50Hz ² 59.3 ≤ f ₆₀ ≤ 60.5 for 60Hz ³	
	Nominal output current	17.4A	26.1A
	O/P current distortion ⁴	THD <5%, 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 (DC / AC) ⁵	>96%	>96%
	European Efficiency	>95%	>95%
	GFCI threshold ⁶	See ground fault current detection	
	Ground current detection range	0 ~ 500mA	
	Ground current detection frequency	0 ~ 700Hz	
	Protection degree	IP 65	
	Operation temperature	-20 to 55°C	
	Humidity	0 to 95%, non-condensing	
	Heat Dissipation	Convection	
	Acoustic noise level	< 40dB, A-weighted, frequency up to 20kHz	
	Altitude	Up to 3000m without power derating, 5°C derated for each additional 500m	
Physical : W x D x H (mm)	550 x 300 x 133	550 x 420 x 143	
Physical : Weight (kg)	21	27	
Shipping : W x D x H (mm)	660 x 460 x 265	660 x 580 x 265	
Shipping : Weight (kg)	23	31	

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The maximum efficiency curve :



SLK-4000



SLK-6000