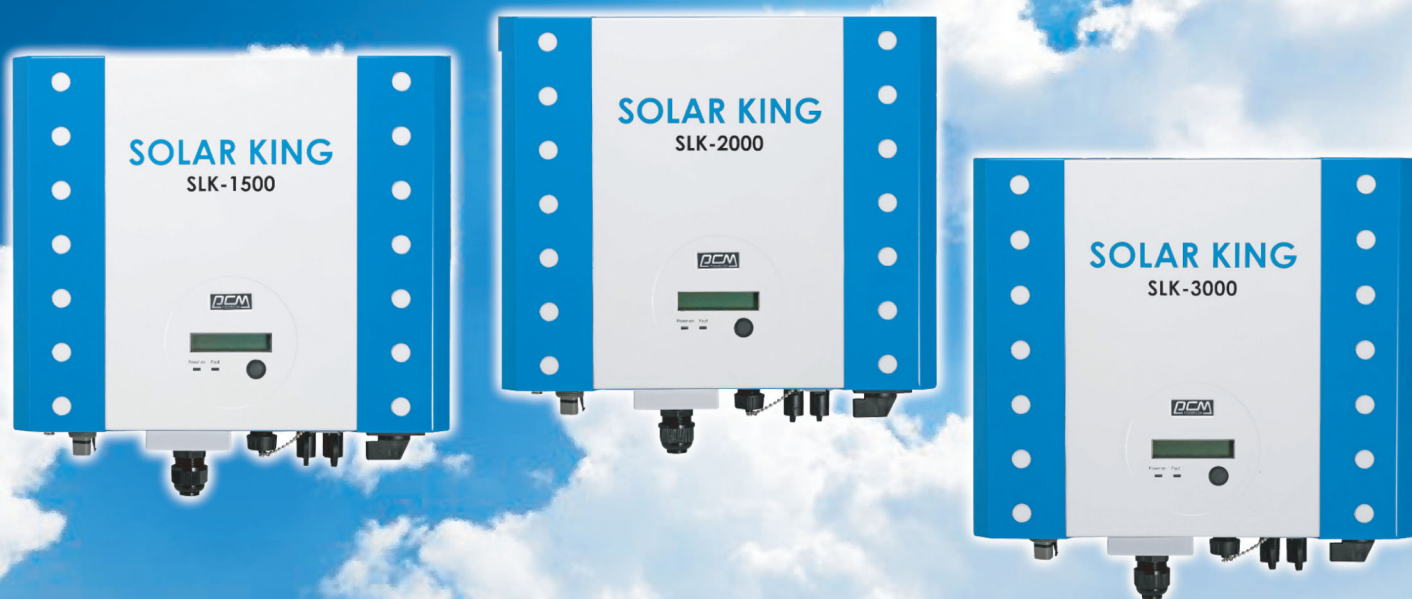


PV Inverter

SOLAR KING 1500/2000/3000

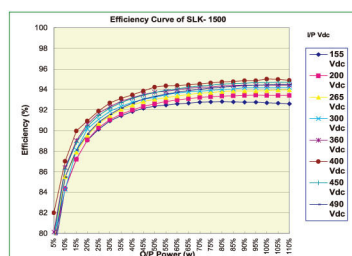


Specification

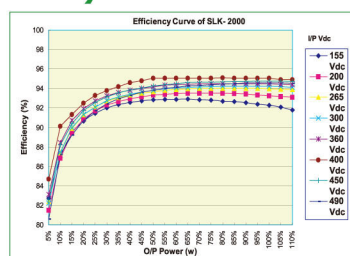
MODEL		SLK-1500	SLK-2000	SLK-3000
Input Data	Maximum Input power	1750W	2340W	3510W
	PV OPEN voltage	500VDC		
	Nominal DC voltage	360 ~ 400V		
	MPPT voltage range	200V to 400V +/-5%		
	System start-up voltage	100 +/-5%		
	Working voltage	100 +/-5% ~ 500 -5% +0%V		
	Initial feeding voltage	150V +/-5%		
	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	>94%	>95%	>95%
	European Efficiency	>93%	>94%	>94%
	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

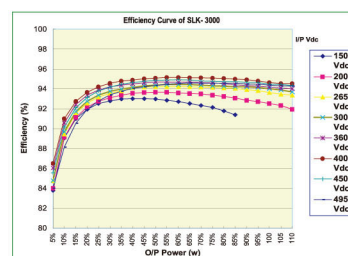
The maximum efficiency curve :



SLK-1500



SLK-2000



SLK-3000