


Specifications
Input Data

• Maximum input power	7050W
• Norminal DC voltage	400V
• Maximum input voltage	600VDC
• MPPT voltage range	150V to 600V ±5%
• System start-up voltage	100V ±5%
• Working voltage range	100 ±5% ~ 600 -5% +0%V
• Initial feeding voltage	150V ±5%
• Full rating working range	250V to 600V
• Max. input current	30ADC
• Shutdown voltage	80V typical
• DC voltage ripple	< 10%
• DC insulation resistance	> 8M ohm
• DC Switch	On/Off 30A
• DC Connector	Tyco-contact (1-pair)
• Attached DC connector	Tyco-contact (3-pair)

Output data

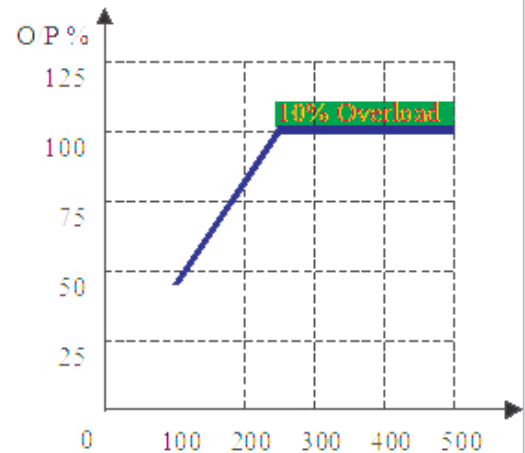
• Norminal output power	5400W
• Maximum output power	6000W (limited to 10mins @50°C ambient)
• Operational voltage range	190V (min), 270V (max)
• Operational normal voltage	230 Vac
• Operational frequency range	50Hz
	49.8 < f50 < 50.2 for 50Hz
• Nominal output current	26.1A
• O/P current distortion	THD < 5%, each harmonics < 3%
• Power factor	> 0.99
• DC current injection	< 0.5% of rated inverter output current

General Data

• Internal power consumption	< 7W
• Standby power (at night)	< 0.1W
• Minimum conversion efficiency	> 90%, under input voltage > 210V, load >20%
• Maximum conversion efficiency (DC/AC) (1)	> 96%
• European efficiency	> 95%
• GFCI threshold (2)	See ground fault current detection
• Ground current detection range	0 ~ 500mA
• Ground current detection frequency	0 ~ 700Hz
• Protection degree	IP65
• Operation temperature	-25 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
• Dimension	550 x 420 x 143 (product) / 660 x 580 x 265 (packaging)
• Weight (net/gross)	24kg (product) / 26kg (packaging)

(1)- Under input voltage >= 400V, full rated output power, 25°C ambient.

(2)- According to DK5940 requirement.

***Load Curve**


The relation of input DC voltage and output power is shown in figure. Once input V is less than 250V, the relation of I/P V and load % is :
Load% = 0.4 x Vi

1. This is voltage range that inverter will start to feed power to grid.
2. The DC resistance requirement for positive or negative terminal to chassis ground
3. In VDE0126-1-1, it is i'a1V20%/ +15%. DK5940, RD1663 are also available.
4. Based on the limit of VDE0126-1-1
5. Based on limit of IEEEE929
6. Under the output voltage is 230VAC
7. Under utility voltage THD < 3%
8. under input voltage >= 400V, full rated output power, 25°C ambient
9. According to VDE0126-1-1 requirement

Warranty Notice: 5 year on materials
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