


Specifications
Input Data

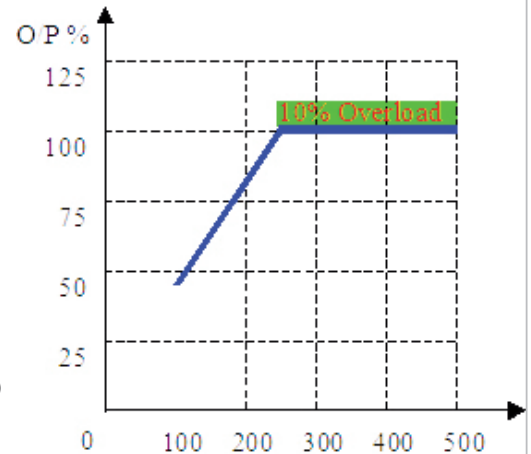
• Maximum input power	3510 W
• Norminal DC voltage	400 V
• Maximum input voltage	500 VDC
• MPPT voltage range	150 V to 500 V $\pm 5\%$
• System start-up voltage	100 V $\pm 5\%$
• Working voltage range	100 V $\pm 5\%$ ~ 500 V -5 % +0 % V
• Initial feeding voltage	150 V $\pm 5\%$
• Full rating working range	200 V to 500 V
• Max. input current	15.2 ADC
• Shutdown voltage	80 V typical
• DC voltage ripple	< 10%
• DC insulation resistance	> 8M ohm
• DC Switch	On/Off 20A
• DC Connector	Tyco-contact (1-pair)
• Attached DC connector	Tyco-contact (1-pair) cable type

Output data

• Nominal output power ¹	3000 W
• Maximum output power ²	3300 W (limited to 10 mins @50 °C ambient)
• Operational voltage range ³	198 V (min), 256 V (max)
• Operational normal voltage	230 Vac
• Operational frequency range ⁴	50 Hz
	47.5 < f50 < 50.2 for 50 Hz
• Nominal output current	13.1 A
• O/P current distortion ⁵	THD < 5%, each harmonics < 3%
• Power factor	> 0.99
• DC current injection	< 0.5% of rated inverter output current

General Data

• Internal power consumption	< 7 W
• Standby power (at night)	< 0.1 W
• Minimum conversion efficiency	> 90 %, under input voltage > 210 V, load >20 %
• Maximum conversion efficiency (DC/AC) ⁶	> 95 %
• European efficiency	> 94 %
• GFCI threshold ⁷	See ground fault current detection
• Ground current detection range	0 ~ 500 mA
• Ground current detection frequency	0 ~ 700 Hz
• Protection degree	IP65
• Operation temperature	-25 °C to 55 °C
• Humidity	0 to 95 %, non-condensing
• Heat dissipation	Convection
• Acoustic noise level	< 40 dB, A-weighted, frequency up to 20 kHz
• Altitude	Up to 3000 m without power derating 5 °C derated for each additional 500 m
• Dimension (mm)	352 x 300 x 143 (product) / 460 x 460 x 265 (packaging)
• Weight (net/gross)	14 kg (product) / 16 kg (packaging)

***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 V

1. Based on the output voltage is higher than 200Vac
2. According to DK5940 requirement
3. VDE0126-1-1, it is -20%/+15%
4. Based on the limit of VDE0126-1-1
5. Under utility voltage THD<3%, reference IEEE1547, EN61000-3-2
6. Under input voltage>=400V, full rated output power, 25°C ambient
7. According to VDE0126-1-1 requirement

Warranty Notice: 5 year on materials

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