


Specifications
Input Data

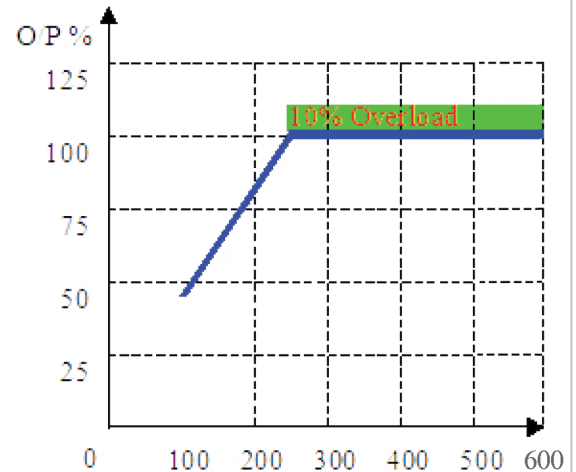
| | |
|-----------------------------|----------------------------------|
| • Maximum input power | 6500 W |
| • Norminal DC voltage | 400 V |
| • Maximum input voltage | 600 VDC |
| • MPPT voltage range | 150 V to 600 V ±5 % |
| • System start-up voltage | 100 V ±5 % |
| • Working voltage range | 100 V ±5 % ~ 600 V -5 % +0 % V |
| • Initial feeding voltage | 150 V ±5 % |
| • Full rating working range | 250 V to 600 V |
| • Max. input current | 30 ADC |
| • Shutdown voltage | 80 V typical |
| • DC voltage ripple | < 10% |
| • DC insulation resistance | > 8M ohm |
| • DC Switch | On/Off 30 A |
| • DC Connector | Tyco-contact (3-pair) |
| • Attached DC connector | Tyco-contact (1-pair) cable type |

Output data

| | |
|--|---|
| • Nominal output power | 6000 W |
| • Maximum output power | 6000 W |
| • Operational voltage range ¹ | 198 V (min), 256 V (max) |
| • Operational normal voltage | 230 Vac |
| • Operational frequency range ² | 50 Hz |
| | 47.5 < f50 < 50.2 for 50 Hz |
| • Nominal output current | 26.1 A |
| • O/P current distortion ³ | THD < 5%, each harmonics < 3% |
| • Power factor | > 0.99 |
| • DC current injection | < 0.5% of rated inverter output current |

General Data

| | |
|--|---|
| • Internal power consumption | < 10 W |
| • Standby power (at night) | < 0.1 W |
| • Minimum conversion efficiency | > 90 %, under input voltage > 210 V, load >20 % |
| • Maximum conversion efficiency (DC/AC) ⁴ | > 96 % |
| • European efficiency | > 95 % |
| • GFCI threshold ⁵ | 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) | 550 x 420 x 143 (product) / 660 x 580 x 265 (packaging) |
| • Weight (net/gross) | 27 kg (product) / 31 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 Vi

1. VDE0126-1-1, it is -20%/+15%
2. According to DK5940 requirement
3. Under utility voltage THD<3%, reference IEEE1547, EN61000-3-2
4. Under input voltage ≥ 400V, full rated output power, 25°C ambient
5. According to VDE0126-1-1 requirement

Warranty Notice: 5 year on materials

EAN: TBA

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