


Specifications
Input Data

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

Output data

| | |
|-------------------------------|---|
| • Norminal output power | 3000W |
| • Maximum output power | 3300W (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 |

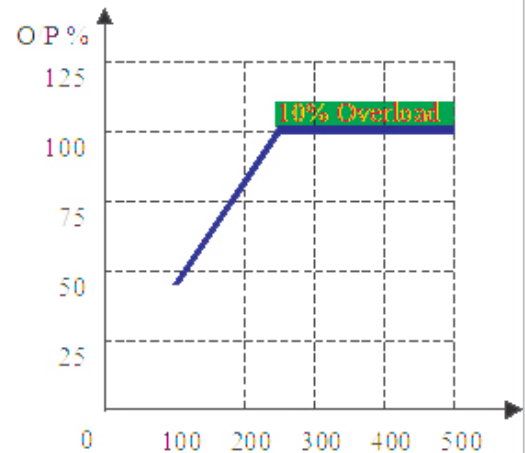
| | |
|--------------------------|---|
| • Nominal output current | 13A |
| • O/P current distortion | THD < 5%, each harmonics < 3% |
| • Power factor | > 0.99% |
| • DC current injection | < 0.5% of rated inverter output current |

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) | > 95% |
| • European efficiency | > 94% |
| • 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 | 380 x 300 x 143 (product) / 495 x 465 x 285 (packaging) |
| • Weight (net/gross) | 14kg / 16kg |

(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
EAN : TBA

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