

INVERTER

WKE20K-DT



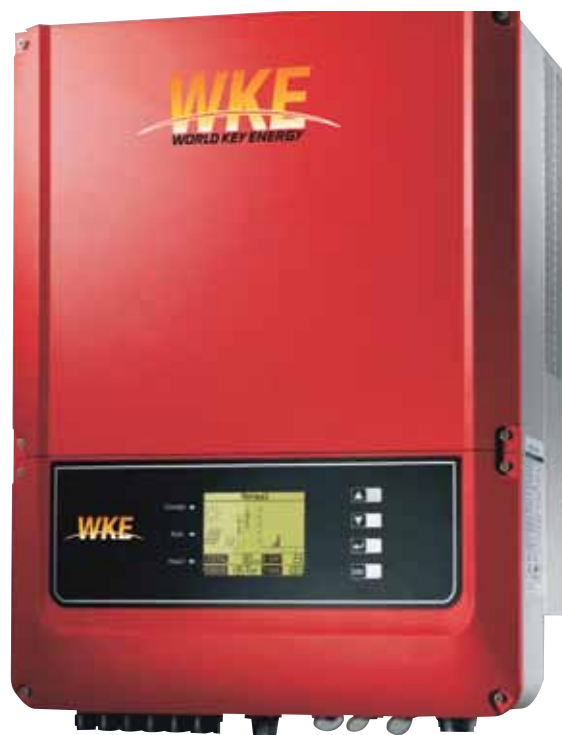
WKE20K-DT photovoltaic inverter is suitable for commercial and industrial roofs as well as small and medium-sized photovoltaic power systems. Intelligent heat dissipation design ensures slower temperature rise and more stable running conditions. The dual-lines MPPT extra-wide voltage range ensures that the system is with more flexible configuration.

Characteristics

- Maximum Efficiency up to 98,2%
- European Efficiency up to 97,5%
- MPPT Efficiency over 99,5%
- DC switch disconnector
- IP65 dust-proof and water-proof
- 45°C full-load output

Customer-oriented Design

- Super large 5-inch LCD
- 30% lighter than similar products
- Multiple monitoring and communication
- Up to 800 pieces can be integrated in one system



PARAMETERS

| | | |
|----------------------------|---------------------------------|--|
| DC Input Data | Max.PV-generator power[W] | 20500 |
| | Max.DC voltage[V] | 1000 |
| | MPPT voltage range[V] | 500~800 |
| | Turn on DC voltage[V] | 250 |
| | Max.DC work current[A] | 22/22 |
| | Number of MPP trackers | 6/2 (can parallel) |
| | DC connector | SUNCLIX, MC IV (optional) |
| | Self-energy consumption[W] | 10 |
| AC Output Data | Nominal AC power[W] | 20000 |
| | Max.AC power[W] | 20000 |
| | Max.output current[A] | 30 |
| | Nominal output voltage range | VDE-AR-N-4105, VDE0126-1-1/A1, RD1699, G59/2, AS4777 2/3 |
| | AC grid frequency | VDE-AR-N-4105, VDE0126-1-1/A1, RD1699, G59/2, AS4777 2/3 |
| | THD (AC output current) | <1,5% |
| | Power factor | 0.90 leading... 0.90 lagging |
| | AC connection | 3/N/PE, 230/400V |
| Efficiency | Max. efficiency | 98.2% |
| | European efficiency | >97.5% |
| | MPPT adaptation efficiency | >99.5% |
| Safety Equipment | Leakage current monitoring unit | Integrated |
| | DC switch disconnecter | Optional |
| | Islanding protection | AFD |
| | Grid monitoring | VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, G95/2, AS4777 .2/3 |
| Normative Reference | EMC compliance | EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4 |
| | Safety compliance | According to IEC 62109-1, AS3100 |
| General Data | Dimensions(W*H*D) [mm] | 516*650*203 |
| | Net weight [kg] | 39 |
| | Housing | For outdoor and indoor |
| | Mounting information | Wall mounting |
| | Operating temperature range | -20~60°C up 45°C derating |
| | Relative humidity | 0 ~ 95% |
| | Site altitude[m] | 2000 |
| | IP proection class | IP65 |
| | Topology | Transformerless |
| | Cooling | Fan cooling |
| | Noise level [dB] | <45 |
| | Display | 5"LCD |
| | Communication | USB2.0; RS485 [Wireless (ZigBee) optional] |
| Standard warranty [years] | 7 | |