

# INVERTER

## WKE3600-D



The WKE D series is widely and flexibly used in domestic units because of its wide range of voltage and current inputs. It features very high conversion efficiency and reliability. WKE D series provides long-term and stable generating benefits. The powerful, intelligent, user friendly interface and sleek stylish design make it most suitable for domestic applications.

### Characteristics

- Maximum Efficiency up to 97.8%
- European Efficiency up to 97.4%
- MPPT Efficiency over 99.5%
- DC switch disconnecter
- Ingress Protection Class: IP65
- 45°C full-load output
- THDi less than 1%



### Easy Operation

- Super large 4-inch LCD (patent)
- Intuitive and comprehensive information display
- Plug and play communication interface
- Fanless and patented integrated design



**PARAMETERS**

<b>DC Input Data</b>	Max.PV-generator power[W]	3800
	Max.DC voltage[V]	580
	MPPT voltage range[V]	125~550
	Turn on DC voltage[V]	125
	Max.DC work current[A]	2*10
	Number of MPP trackers	2
	DC connector	MC IV or HC IV Connector
	Self-energy consumption[W]	5
<b>AC Output Data</b>	Nominal AC power[W]	3600
	Max.AC power[W]	3600
	Max.output current[A]	18
	Nominal output voltage range	According to VDE 0126-1-1, RD1663, GB,SAA
	AC grid frequency	According to VDE 0126-1-1, RD1663, GB,SAA
	THD(AC output current)	2%
	Power factor	0.95 leading... 0.95lagging
	AC connection	Single phase with clamps
<b>Efficiency</b>	Max. efficiency	97.6%
	European efficiency	96.5%
	MPPT adaptation efficiency	>99.5%
<b>Safety Equipment</b>	Leakage current monitoring unit	Integrated
	DC switch disconnecter	Optional
	Islanding protection	AFD
	Grid monitoring	According to VDE 0126-1-1/AI,AS4777.1/2/3, RD1663, ENEL, G83, G95-2
<b>Normative Reference</b>	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
<b>General Data</b>	Dimensions(W*H*D) [mm]	390*417*165
	Net weight [kg]	20
	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	Nature convection
	Noise level[dB]	<25
	Display	3LED, 3.5"LCD
	Communication	USB2.0;RS485 Wireless Bluetooth (optional)
Standard warranty[years]	7	