

INVERTER

WKE15K-DT



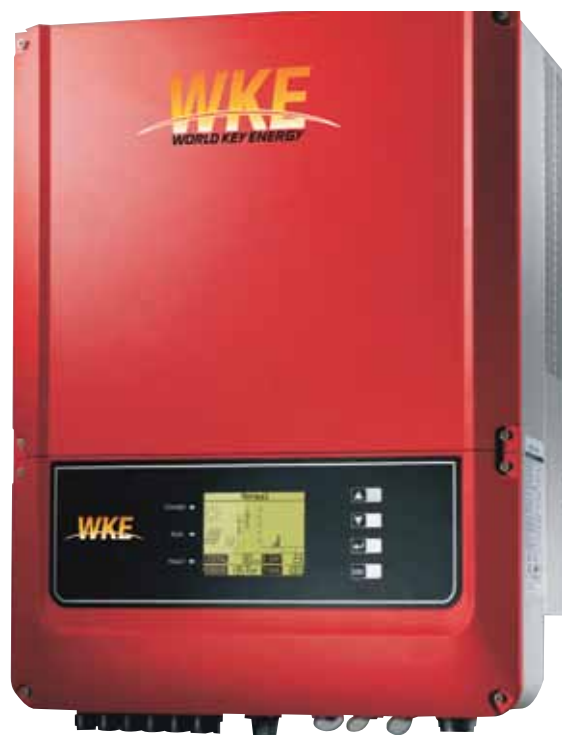
WKE15K-DT photovoltaic inverter is suitable for commercial and industrial roofs as well as small and medium-sized photovoltaic power systems. Intelligent heat dissipation design ensures slower temperature rise and more stable running conditions. The dual-lines MPPT extra-wide voltage range ensures that 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]	15400
	Max.DC voltage[V]	1000
	MPPT voltage range[V]	260~850
	Turn on DC voltage[V]	250
	Max.DC work current[A]	22/22
	Number of MPP trackers	2
	DC connector	MC IV or HC IV Connector
	Self-energy consumption[W]	10
AC Output Data	Nominal AC power[W]	15000
	Max.AC power[W]	15000
	Max.output current[A]	25
	Nominal output voltage range	According to VDE0126-1-1, RD1663, ENEL, GB, SAA
	AC grid frequency	According to VDE0126-1-1, RD1663, ENEL, GB, SAA
	THD (AC output current)	2%
	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	According to VDE-AR-N4105, VDE 0126-1-1/A1, RD1699, CEI 0-21, 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]	530*650*230
	Net weight [kg]	45
	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 protection class	IP65
	Topology	Transformerless
	Cooling	Fan cooling
	Noise level[dB]	<45
	Display	5"LCD
	Communication	USB2.0; 485 [Wireless (ZigBee) optional]
Standard warranty[years]	7	