

INVERTER

WKE12K-DT



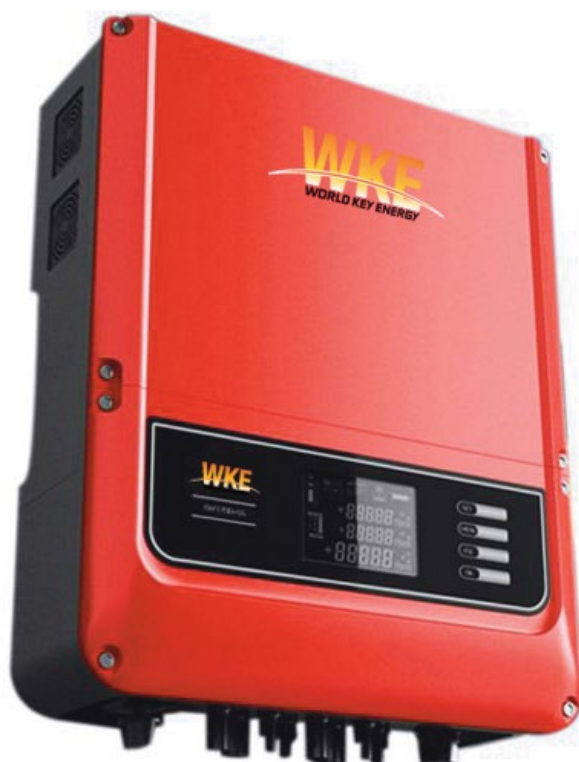
WKE12K-DT is widely and flexibly used in family unit because of its wide range of voltage and current input. Sunny Flower series features very high conversion efficiency and reliability. Sunny Flower series can provide long-term and stable generating benefits. Good appearance, good durability due to professional ID design, and powerful intelligent user interface bring wonderful experience to users.

Characteristics

- Conversion efficiency is 98.0%
- European conversion efficiency is 97.5%
- The MPPT Adaptation Efficiency is over 99.5%
- DC switch disconnector
- IP65
- 45°C full-load output
- Respectați cu noul VDE-AR-N4105

Customer-oriented Design

- Super mare de 5 inch LCD (brevet)
- Intuitive și cuprinzătoare informații afișate
- Plug and play interfața de comunicare
- Design integrat , cu 30% mai ușor decât alte produse similare



PARAMETRI

DC Input Data	Max.PV-generator power[w]	12300
	Max.Dc voltage[v]	1000
	MPPT voltage range[v]	260 ~ 850
	Turn on DC voltage[v]	250
	Max.DC work current[A]	22/11
	Number of MPP trackers	2
	DC-connection	MC IV or HC IV conector
	Self-consumption[w]	10
AC Output Data	Nominal AC power[w]	12000
	Max.AC power[w]	12000
	Max.output current[A]	19
	Nominal output voltage range	VDE0126-1-1, RD1663, ENEL, GB, ASA
	AC grid frequency	VDE0126-1-1, RD1663, ENEL, GB, ASA
	THD(AC output current)	2%
	Power factor	0.90 leading
	AC connector	3/N/PE 230/400V
Efficiency	Max. efficiency	98,0%
	Euro efficiency	97,5%
	MPPT adaptation efficiency	> 99,5%
Safety Equipment	Leakage current monitoring unit	Integrated
	DC disconnect switch	Optional
	Islanding protection	AFD
	Grid monitoring	VDE-AR-N 4105, AS4777.1/2/3, RD1663, ENEL, G95-2
Normative Reference	EMC-compliant according to	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4
	Safety compliance	Conform 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 bracket
	Operating temperature range	-20 ~ 60 ° C (up to 45 ° C derating)
	Relative humidity	0 ~ 95%
	Site altitude[m]	2000
	IP proection type	IP IP65
	Topology	Transformerless
	Cooling concept	Fan Cooling
	Noise level[dB]	<45
	Display	3LED, 5"LCD
	Communication	USB2.0; 485 (Wireless / Bluetooth / Internet opțional)
Standard warranty[years]	7	