

Stand-Alone Inverters
KI Series



Top performance even in difficult situations.

Reliable current despite an overload lasting several minutes? Even at high ambient temperatures? No problem! The stand-alone inverters of the KI series were designed for independent power supply in areas remote from the grid under extreme conditions.

The galvanically isolated units with MOS-FET semiconductors convert the DC volt-

age of a battery into AC voltage. They are extremely resistant to overload and supply purely sinusoidal voltage with a high degree of efficiency that can be used for trouble-free operation of sensitive electronics such as televisions, laptops and refrigerators. Using this stand-alone inverter is often more economical than purchasing low performance 12 V DC devices.



Stand-Alone Inverters KI Series

Electrical data	KI 250	KI 1000	KI 2000
Input variables			
Input voltage	12 V	12 V / 24 V	24 V / 48 V
Over and undervoltage shutdown	-15% to +35%		
Max. input voltage	+50%		
Output variables			
Rated power *	0.2 kW / kVA	0.8 kW / kVA	1.6 kW / kVA
Rated power 30 min *	0.25 kW / kVA	1.0 kW / kVA	2.0 kW / kVA
Rated power 5 min *	0.36 kW / kVA	1.3 kW / kVA	2.88 kW / kVA
Peak power 5 sec *	0.46 kW / kVA	2.2 kW / kVA	4.8 kW / kVA
Current limit	Electronically regulated		
Output voltage	230 V / 115 V***		
Type of output voltage	Sinusoidal voltage, galvanically isolated between input and output		
Safety shutdown	0.7 kW	2.8 kW	5.6 kW
Rated frequency	50 Hz / 60 Hz***		
cos phi	Every value allowed		
Distortion factor at rated power	< 3%		
General electrical data			
Max. efficiency	91%	93%	94%
Rated efficiency	80%	88%	91%
Internal consumption: Standby	0.5 W	1.0 W	1.0 W
Internal consumption: No-load	2.0 W	10 W	20 W
Load-dependent starting and shutdown	Approx. 15 VA	> 10 VA adjustable	
Standards	EN 60950, EN 55014, EN 61000-6-3, EN 61000-3-2, EN 55022, ECE R10		
Mechanical data			
Displays	LED	LCD	
Interfaces (remote starting, status messages)	Optional		
Connections	Cable		
Ambient temperature	-15 °C ... +60 °C **		
Cooling	Temperature-controlled fan		
Protection class	IP20		
H x W x D in mm	130 x 88 x 216	274 x 125 x 354	274 x 125 x 454
Weight	3.3 kg	15 kg	23 kg
Integrated charge regulator / charge current	Optional / 15 A	Optional / 30 A	

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The text and figures reflect the current technical state at the time of printing. Subject to technical changes. Errors and omissions excepted.
* 30 °C / ** Power derating at high ambient temperatures / *** In accordance with country-specific requirements