

KE Series

European - standard
Single - phase Inverters



KE-10KL1EF

- ⊙ Supports up to 15 parallel machines, off - grid operation, and supports multiple battery parallel connections
- ⊙ Dual - path MPPT with an efficiency of up to 99.9%
- ⊙ Supports deep customization
- ⊙ BMS communication protocol is open

Product Parameters

Model	KE-8KL1EF	KE-10KL1EF	KE-12KL1EF
Inverter Output			
Rated Output Power	8,000W	10,000W	12,000W
Maximum Peak Power	16,000W	20,000W	24,000W
Rated Output Voltage	230Vac		
Motor Loading Capacity	5HP	6HP	
Rated Frequency	50/60Hz		
Output Waveform	Pure Sine Wave		
Switching Time	10ms (UPS) / 20ms (application)		
Number of Parallel Connections	1 - 15 units		
Overload Protection	Adopt anti - delay overload protection algorithm		
Battery			
Battery Type	Lithium - ion battery / lead - acid battery / user - defined		
Rated Battery	51.2Vdc		
Voltage Range	40 ~ 60Vdc		
Maximum PV Charging Current	180A	200A	220A
Maximum Utility/Generator Charging Current	100A	120A	140A
Maximum Combined Charging Current	180A	200A	220A
PV Input			
Number of MPPT Circuits	2		
Maximum Input Power	5,500W+5,500W		
Maximum Input Current	22A+22A		
Maximum Open - Circuit Voltage	500Vdc+500Vdc		
MPPT Operating Voltage Range	125 ~ 425Vdc		
Utility/Generator Input			
Input Voltage Range	90 ~ 275Vac		
Input Frequency Range	50/60Hz		
Bypass Overload Current	63A		
Efficiency			
MPPT Tracking Efficiency	99.9%		
Maximum Battery Inverter Efficiency	92%		
General			
Dimensions	620*445*130mm		
Weight	27kg		
Protection Level	IP20, indoor use only		
Ambient Temperature	-10 ~ 55°C derating above 45°C		
Noise	<60dB		
Cooling Method	Natural cooling		
Warranty Period	3 years		
Communication			
Built - in Interface	Wi-Fi / BLE / RS 485 / CAN / USB / dry contact		
External Modules (Optional)	GPRS		