

KE Series

European - standard
Hybrid Inverters



KTECH®

Product Parameters

| Model | KE-3KL1EN | KE-3.6KL1EN | KE-4KL1EN | KE-5KL1EN | KE-6KL1EN |
|--|------------------------------|---------------|-------------|---------------|---------------|
| Recommended Maximum Photovoltaic Power | 7kW | | 10kW | | |
| Input DC (Photovoltaic Side) | | | | | |
| Start - up Voltage | 100V | | | | |
| Maximum Input Voltage | 600V | | | | |
| Rated Voltage | 300V | | | | |
| MPPT Voltage Range | 90V-520V | | | | |
| Max. Input Current | 20A / 20A | | | | |
| Max. Short - circuit Current | 30A / 30A | | | | |
| Maxi. Battery String Number per MPPT / MPPT Quantity | 2/2 | | | | |
| Battery | | | | | |
| Battery Type | Lithium / Lead-acid | | | | |
| Battery Voltage Range | 50Ah-2000Ah | | | | |
| Maximum Charging and Discharging Power | 3kW | 3.6kW | 5kW | | |
| Maximum Charging and Discharging Current | 62.5A | | 100A | | |
| Input AC (Grid Side) | | | | | |
| Input Voltage Range | 187V-265V | | | | |
| Maximum Input Current | 20.5A / 20A | 25A / 23.5A | 31.5A / 30A | 34.5A / 33A | 34.5A / 33A |
| Frequency Range | 45-55Hz / 55-65Hz | | | | |
| Output AC (Grid Side) | | | | | |
| Rated Output Power | 3kW | 3.6kW | 4kW | 5kW | 6kW |
| Maximum Apparent Output Power | 3.3kVA | 4kVA | 4.4kVA | 5.5kVA | 6.6kVA |
| Rated Grid Voltage | 1P/N/PE, 220V / 230V | | | | |
| Rated Grid Frequency | 50Hz | | | | |
| Rated Grid Output Current | 13.7A / 13.1A | 16.4A / 15.7A | 20.9A / 20A | 22.8A / 21.7A | 27.3A / 26.1A |
| Maximum Output Current | 15.1A / 14.4A | 18A / 17.3A | 23A / 22A | 25.1A / 23.9A | 30A / 28.7A |
| Power Factor | >0.99 (-0.8~+0.8 adjustable) | | | | |
| Total Harmonic Current Distortion Rate | <2% | | | | |
| Performance Data | | | | | |
| Maximum Efficiency | 97.1% | | | | |
| EU Efficiency | 96.5% | | | | |
| DC Connection | MC4 connector | | | | |
| AC Connection | Quick connection plug | | | | |
| General Data | | | | | |
| Operating Temperature Range | -25°C-60°C | | | | |
| Protection Level | IP20 | | | | |
| Cooling Method | Natural cooling | | | | |
| Maximum Operating Altitude | 3000m | | | | |

KE-5KL1EN

- ⊙ Supports higher charge - discharge currents; compatible with lithium - ion batteries and lead - acid batteries
- ⊙ Intelligent energy management system (EMS) function to improve battery reliability
- ⊙ Beautiful appearance, simple installation, and convenient use
- ⊙ Has comprehensive safety protection from software to hardware