



KE Series

American standlard
Split-Phase Hybrid Inverter

KE-10KLSUN

- ⦿ 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-8KLSUN		KE-10KLSUN	KE-12KLSUN
Battery Input Data				
Battery Type				Lead-acid or Li-Ion
Battery Voltage Range (V)				40~60V
Maximum Charging Current (A)	190A		210A	230A
Maximum Discharging Current (A)	190A		210A	230A
External Temperature Sensor				YES
Charging Curve				120 Vac, single-phase / 240 Vac, split-phase
Lithium Battery Charging Strategy				Self-adaption to BMS
Photovoltaic Input Data				
Maximum DC Input Power (W)	10400W		13000W	15600W
Rated Photovoltaic Input Voltage (V)				370 (125~500)V
Start - up Voltage (V)				125V
MPPT Voltage Range (V)				150-425V
Full - load DC Voltage Range (V)				200-425V
Photovoltaic Input Current (A)				26+26A
Maximum Photovoltaic Short - circuit Current				44+44A
Maximum Number of MPPT Trackers				2
Number of Photovoltaic Strings per MPPT Tracker				2
AC Output Data				
Rated AC Output and UPS Power (W)	8000W		10000W	12000W
Maximum AC Output Power (W)	8800W		11000W	13200W
Rated AC Output Current (A)				36.7 42.3A 40/38.3A
Maximum AC Current (A)				33.3/38.5A 36.4/34.5A
Maximum Continuous AC Bypass Current (A)				50A
Peak Power (Off - grid)				2 time of rated power, 10 S
Power Factor				0.8 leading to 0.8 lagging
Output Frequency and Voltage				50 / 60Hz; L1/L2/N(PE) 120/240Vac (split phase), 208Vac (2/3 phase), L/N/PE 220/230Vac (single phase)
Grid Type				Split phase; 2/3 phase; Single Phase
DC Injection Current (mA)				THD<3% (Linear load<1.5%)
Efficiency				
Maximum Efficiency				97.60%
European Efficiency				97.00%
MPPT Efficiency				99.90%
General Data				
Operating Temperature Range (°C)				-40~60℃, >45℃ derating
Cooling Method				Natural cooling
Noise (dB)				<30 dB
Communication with Battery Management System (BMS)				RS485; CAN
Weight				32
Dimensions (mm)				420W×670H×233D
Protection Level				IP65
Installation Method				Wall-mounted
Warranty				5 years