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Resources Integrated Value Appreciated

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(INVERTER)(ESS)(SMART HOME)(ELECTRONICS)
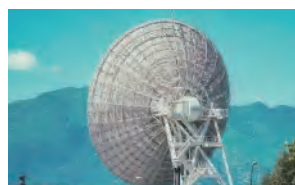
Amazing Power Series
KE-5KLSUN

Hello Ktech

○ SP model support 6 units in parallel

○ Support lithium–ion battery BMS dual activation

○ Dual MPPT, efficiency up to 99.9%

○ Beautiful appearance, simple installation, easy to use

APPLICATION

High-end villa | Communication base station | Nomadic farm | Enterprise electricity

APPLICATION SCENARIO	
Model	**KE-5KLSUN**
Battery Input Data	
Battery Type	Lead-acid or Li-Ion
Battery Voltage Range	40~60V
Max. Charging Current	120A
Max. Discharging Current	120A
Exemal Temperature Sensor	YES
Charging Curve	3 Stages / Equalization
Charging Strategy for Li-Ion Battery	Self-adaption to BMS
PV String Input Data	
Max. DC Input Power	6500W
Rated PV Input Voltage	370 (125~500)V
Start-up Voltage	125V
MPPT Voltage Range	150-425V
Full Load DC Voltage Range	300-425V
PV Input Current	13+13A
Max. PV Isc	22+22A
No.of MPP Trackers	2
No.of Strings per MPP Tracker	1
AC Output Data	
Rated AC Output and UPS Power	5000W
Max. AC Output Power	5500W
AC Output Rated Current	22.9/26.4A
Max. AC Current	20.8/24A
Max. Continuous AC Passthrough	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	
Max. Efficiency	97.60%
Euro Efficiency	97.00%
MPPT Efficiency	99.90%
Certifications and Standards	
Grid Regulation	CEI 0-21, VDE-AR-N 4105, NRS 097, IEC 62116, IEC 61727, G99, G98,VDE 0126-1-1, RD 1699, C10-11
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2
General Data	
Operating Temperature Range	-40~60℃, >45℃ derating
Cooling	Smart cooling
Noise	<30 dB
Communication with BMS	RS485; CAN
Weight	32
Size	420W×670H×233D
Protection Degree	IP65
Installation Style	Wall-mounted
Warranty	5 years

Ktech® Home Energy Management Center

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