KTECH®

AC-Coupled Inverter

- LCD+LED-user friendly interface
- IP66 protection degree design for outdoor
- Compatible with other brands of inverter
- Various work mode for different application scenarios
- Retrofit any on-grid systems to be able to run battery

AC-Coupled Inverter Technical Data

KTECH®

Model	CAN-3K8D5L1EN	CAN-5KD5L1EN	CAN-6KD5L1EN
Rated AC Output Power	3800W	5000W	6000W
Nominal Battery System Voltage	48V		
Inverter Output(AC)			
Nominal AC Output Power	3800W	5000W	6000W
Nominal Output Voltage Range	230V;180-280V±5V		
AC Grid Frequency Range	50/60Hz;45~55/55-65Hz		
Nominal Output Current	16.6A	21.7A	26A
Total Harmonic Distortion I(Thdi)@Nominal Output	<3%		
Power Factor At Rated Power	≈1		
Displacement Power Factor	Adjustable From 0.8 Leading To 0.8 Lagging		
Grid Type	Single Phase		
Battery Mode Output(AC)			
Output Rated Power	3800W	5000W	6000W
Nominal Output Voltage;accuracy Range	230V±1%		
Output Frequency;accuracy Range	50/60Hz(Optional)±0.2%		
Output Rated Current	15.7A	21.7A	26A
Output Waveform	Pure Sine Wave		
Peak Power	5700W/10S	7500W/10S	9000W/10S
Total Harmonic Distortion V(Linear Load)	<3%		
Battery&Charger			
Battery Type	Lead-acid Battery /Lithium Iron Phosphate Battery		
Battery Voltage	48V±0.3		
Battery Voltage Range	40~60V±0.3		
Max Charging Power	3800w	5000w	6000W
Max Charging Currernt	80A	105A	125A
Efficiency			
Battery Discharge (Full Load)	94.5%		
Max Battery Charging Curent Efficiency	94.5%		
Protection Devices			
Grid Monitoring	Yes		
Output Over Current Protection	Yes		
Output Overvoltage Protection	Yes		
Ground Fault Monitorino	Yes		
General			
Dimensions (HxWxD)	452x350x205 mm		
Weight	24kg		
Communication Port	RS485/RS232/CAN/Wi-Fi/Bluetooth/4G		
Ingress Protection (IP) Rating	IP66		
Humidity	0~95%RH(No Condensing)		
Operating Temperature Range	-20℃+60℃ With Derating Above 45℃		
Type of Cooling	Natural cooling		
Noise Level @ 1m	≤25dB @ 25℃ (77°F)		
Altitude	<3000m		
Warranty	5Years/10Years		
Certification&standards	CE-EMC+LVD(EN IEC61000-6-3:2007, EN IEC61000-6-1:2017; EN IEC62477-1:2022)		

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