



CAN-6KD5L1EN

- Easy energy storage upgrade for existing PV systems
- Retain original on-grid inverter to reduce renovation costs
- Compatible with multi-brand inverters, suitable for more application scenarios
- Intelligent Monitoring: Enables remote device configuration and real-time performance tracking via the cloud platform.
- Support backup power operation and enhance household power supply reliability
- Ideal energy storage upgrade solution for users with existing photovoltaic installations

AC-Coupled Inverter Technical Parameters

Model	CAN-3KD5LETN	CAN-3KD5L1EN	CAN-3K6D5L1EN	CAN-5KD5L1EN	CAN-6KD5L1EN
Uninterruptible Power Supply (UPS)					
Rated Output Power (W)	3000	3000	3600	5000	6000
Rated Output Current (A)	13.7	13.7	16.4	22.8	27.3
Max.Output Current (A)	15	15	18	25	30
Peak Power (W)	2 Times Of Rated Power, 10s				
Rated Voltage (V)	220/230, 0.88Un < U < 1.1Un				
Frequency (Hz)	50/45-55, 60/55-65				
Total Voltage Harmonic Distortion (THDv)	<3% (Rated power)				
DC Current Output	<0.5% X Rated current				
Transfer Time (Bypass to Inverter) (ms)	10				
Max.Number of Parallel Units	10				
Battery Parameters					
Battery Type	Lead-acid or Lithium Iron Phosphate Battery				
Max. Charge Current (Adjustable) (A)	125	62.5	75	105	125
Max. Discharge Current (A)	125	62.5	75	105	125
Rated Battery Voltage (V)	24	48			
Charging Voltage Range (V)	20-30	40-60			
Support Forced Battery Wake-up from Grid (Yes/No)	Yes				
Grid					
Rated AC Voltage (V)	220 / 230				
Rated AC Frequency (Hz)	50 / 60				
Rated AC Output Current (A)	13.7	13.7	16.4	22.8	27.3
Rated AC Output Power (W)	3000	3000	3600	5000	6000
Power Factor (PF)	0.8 leading ~ 0.8 lagging				
Total Current Harmonic Distortion (THDi)	<3%				
Bypass Overload Current (A)	45				
Efficiency					
Max.Efficiency	97.6%				
Max.Charge/Discharge Efficiency	94.5%				
Device Protection					
Integrated Protection	Over-temperature protection, overload protection, short-circuit protection, battery over-voltage protection, Leakage protection, anti-islanding protection, ground fault detection, surge protection, GFCI				
Surge Protection Level	AC Type III				
General					
Ingress Protection (IP) Rating	IP66				
Operating Temperature Range	-40~60°C (>45°C Derating)				
Humidity Range	0~100% RH (Non-condensing)				
Noise Level @ 1m	<45dB @ 25°C (77°F)				
Type of Cooling	Intelligent Air Cooling				
Communication Port	RS485/CAN; Option 1: WIFI + Bluetooth, Option 2: 4G + Bluetooth				
Dimensions(HxWxD) (mm)	493×400×150 (Excluding Connectors and Brackets)				
Weight (kg)	20				
Operating Altitude (m)	< 2000				
Warranty	5 Years / 10 Years				
AC Connector	Yes				
Certification					
Overview	EN 62109-1:2010; EN 62109-2:2011; EN IEC 61326-1:2021;RoHS				

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