



## 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
- Intelligently dispatch PV, batteries and loads to improve self-consumption rate
- 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
<b>Uninterruptible Power Supply (UPS)</b>					
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				
<b>Battery Parameters</b>					
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				
<b>Grid</b>					
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				
<b>Efficiency</b>					
Max.Efficiency	97.6%				
Max.Charge/Discharge Efficiency	94.5%				
<b>Device Protection</b>					
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				
<b>General</b>					
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				
<b>Certification</b>					
Overview	EN 62109-1:2010; EN 62109-2:2011; EN IEC 61326-1:2021;RoHS				

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