



KE-8KD5L1EN

- 更优化的绝缘阻抗检测技术
More optimized insulation resistance detection technology
- 支持VPP技术
Supports VPP technology
- 支持更高的充放电电流
Supports higher charge - discharge current
- 支持柴油发电机接入
Supports fuel generator connection
- MPPT追踪效率高达99%
MPPT self - tracking efficiency up to 99%
- 外形美观，安装简单，使用方便
Beautiful appearance, simple installation and convenient us
- 具备软件到硬件的全面安全防护
Equipped with comprehensive safety protection from software to hardware



欧标单相混合技术参数表 European Standard Single-Phase hybrid Technical Parameters Table

型号 (Model)	KE-8KD5L1EN
电池输入数据 (Bately Input Data)	
电池类型 (Battery Type)	铅酸或锂离子 (Lead-acid or Lithium-ion)
电池电压范围 (Battery Voltage Range)	40-60V
最大充电电流 (Max. Charging Current)	180A
最大放电电流 (Max. Discharging Current)	180A
光伏串输入数据 (String Input Data)	
最大光伏输入功率 (Max. PV Input Power)	16000W
最大光伏输入电压 (Max. PV Input Voltage)	600V
启动电压 (Start-up Voltage)	125V
最大功率点跟踪 (MPPT) 电压范围 (MPPT Voltage Range)	150V-525V
额定光伏输入电压 (Rated PV Input Voltage)	370V
最大工作光伏输入电流 (Max. Operating PV Input Current)	26A+26A
最大输入短路电流 (Max. Input Short-Circuit Current)	34A+34A
MPPT数量/组串数量 (No. of MPPT trackers/ No. of Strings MPP trackers)	2/2+2
交流输入 / 输出数据 (AC Input/Output Data)	
额定交流输入 / 输出有功功率 (Rated AC Input/Output Active Power)	8000W
额定交流输入 / 输出电流 (Rated AC Input/Output Current)	36.4A/34.8A
最大连续交流旁路电流 (Max. Continuous AC Passthrough)	40A
离网峰值功率 (off-grid Peak Power)	额定功率的 2 倍, 持续 10 秒(2 times of rated power, 10s)
额定输入 / 输出电压 (Rated Input/Output Voltage)	220/230; 0.85Un-1.1Un
额定输入 / 输出电网频率(Rated Input/Output Grid Frequency)	50/45-55HZ, 60/55-65HZ
电网连接形式 (Grid Connection Form)	L+N+PE
直流注入电流 (DC Injection Current)	<0.5% In
效率 (Efficiency)	
最大效率 (Max. Efficiency)	97.60%
欧洲效率 (Euro Efficiency)	96.50%
MPPT 效率 (MPPT Efficiency)	>99%
通讯 (Communication)	
通讯接口 (Communication Interface)	RS485/RS232/CAN
通讯方式 (Communication Method)	GPRS/WIFI/ 蓝牙(Bluetooth)/4G/LAN(可选optional)
通用 (General Data)	
工作温度范围 (Operating Temperature Range)	-40~+ 60, >45℃时降额(Derating)
允许环境湿度 (Permissible Ambient Humidity)	0-100%
允许海拔高度 (Permissible Altitude)	2000m
噪音 (Noise)	<30
防护等级 (Ingress Protection)	IP66
过电压类别 (Overvoltage Category)	OVC II(DC), OVC III(AC)
机柜尺寸 (WxHxD mm)	638×363×230 mm (不含连接器和支架Excluding Connectors and Brackets)
重量 (Weight)	30kg
冷却方式 (Type of Cooling)	智能风冷(Intelligent air cooling)
保修期 (Warranty)	5/10年(Years)
认证 (Certification)	
总览 (Overview)	EN50549,IEEE 1547:2018, IEEE 1547.1:2020 , UL 1741SB , Rule21 , NTS Type A, UNE 217001 (ITC-BT-40, RD 244) IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2,EN 62920