



KE-7KD5LSUN

- 更优化的绝缘阻抗检测技术
More optimized insulation impedance detection technology
- 支持VPP技术
Supports the VPP technology
- UL1741/Rule21/UL991/UL1998认证
Certified to UL1741/Rule21/UL991/UL1998
- MPPT追踪效率高达99.9%
MPPT tracking efficiency is as high as 99.9%
- 支持深度定制
Supports in-depth customization
- 防护等级IP66
Protection level IP66

美标裂相混合技术参数表 Technical Parameters Table of American Split-Phase hybrid Technology

型号 (Model)	KE-7KD5LSUN
电池输入数据 (Baterly 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)	165A
最大放电电流 (Max. Discharging Current)	165A
光伏串输入数据 (String Input Data)	
最大光伏输入功率 (Max. PV Input Power)	14000W
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)	18A+18A
最大输入短路电流 (Max. Input Short-Circuit Current)	22A+22A
MPPT数量/组串数量 (No.ofMPPTtrackers/No.ofStringsMPTrackers)	2/2+1
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)	7000W
最大交流输入 / 输出视在功率 (Max.ACInput/OutputApparentPower)	7700VA
额定交流输入 / 输出电流 (Rated AC Input/Output Current)	29.2A
最大交流输入 / 输出电流 (Max. AC Input/Output Current)	32.1A
最大连续交流旁路电流 (Max. Continuous AC Passthrough)	40A
离网峰值功率 (Peak Power (off-grid))	额定功率的 2 倍，持续 10 秒(2 times of rated power, 10s)
功率因数调整范围 (Power Factor Adjustment Range)	0.9-1
额定输入 / 输出电压 / 范围 (Rated Input/Output Voltage/Range)	100/110/120/127;200/220/240;208 0.88Un < U < 1.1Un
额定输入 / 输出电网频率 / 范围 (RatedInput/OutputGridFrequency/Range)	60/55-65V
电网连接形式 (Grid Connection Form)	2L+N+PE
总电流谐波失真 THDi (Total Current Harmonic Distortion THDi)	<3% (额定功率下of nominal power)
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 mode)	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
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)	33kg
冷却方式 (Type of Cooling)	自然冷却(Natural 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 IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2, UL 1741,CSA-C22.2 No.107.1-16, UL991/UL1998,CEC Efficiency,UL 1699B, IEEE2030.5&E5000&E5036, FCC PART 15B