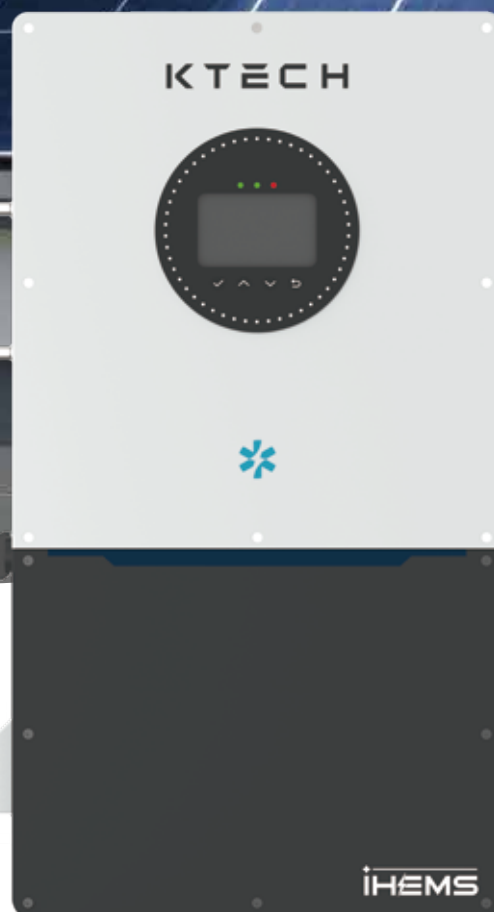




KE-12KD6LSUN

- Supports on-grid/off-grid operation
- Supports up to 10 units parallel connection
- Supports multi-battery parallel access
- Supports VPP technology
- Supports AFCI, GFCI, RSD and other protection functions
- Supports Wi-Fi/Bluetooth/4G communication
- Ingress Protection(IP)Rating:IP66
- Compliant with UL1741 / IEEE1547 certification requirements
- All circuit breakers built-in



Split-Phase Hybrid Inverter Technical Parameters

Model	KE-12KD6LSUN
Parallel Operation Mode	
Max. Number of Parallel Units (pcs)	10
AC Input / Output	
Rated Input/Output Active Power (W)	12000
Rated Input Apparent Power (VA)	13200
Rated Input/Output Current (A)	50
Max. Input/Output Current (A)	55
Max. Bypass Current (Grid to Load) (A)	63
Peak Power (Off-Grid)	2 Times Of Rated Power, 10s
Power Factor Adjustment Range	0.8 leading ~ 0.8 lagging
Rated Voltage (V)	110/220,120/240, 0.88Un<U<1.1Un
Frequency (Hz)	50/45-55, 60/55-65
Connection Type	2L+N+PE
Total Current Harmonic Distortion (THDi)	<3% (Rated power)
DC Current Output	<0.5% x Rated current
Transfer Time (Bypass and Inverter) (ms)	10
Battery Parameters	
Battery Type	Lead-acid or Lithium Iron Phosphate Battery
Max. Charge Current (Configurable) (A)	250
Max. Discharge Current (A)	250
Charge Voltage Range (V)	40-60
Lithium Battery Charging Strategy	BMS Adaptive
Battery Input Port	1
Solar Charging	
Number of MPPT Trackers	2/2+2
Max. PV Open-Circuit Voltage (V)	550
Start-up Voltage (V)	100
Rated PV Voltage (V)	375
MPPT Voltage Range (V)	125-425
Max. PV Input Power (W)	18000
Max. PV Input Current (A)	26+26
Max. PV Input Short-Circuit Current (A)	40+40
Efficiency	
Maximum Efficiency	97.6%
Euro Efficiency	96.5%
MPPT Tracking Efficiency	99%
Device Protection	
Integrated Protection	Over-temperature protection, overload protection, short-circuit protection, PV over-voltage protection, PV over-current protection, battery over-voltage protection, leakage protection, anti-islanding protection, ground fault detection, surge protection, AFCI, GFCI, RSD compatibility.
Overvoltage Category	DC Type II / 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	Natural cooling
Communication Port	Built-in: RS485/CAN; Option 1: Wi-Fi+ Bluetooth, Option 2: 4G + Bluetooth
Dimensions(HxWxD)(mm)	957 x 445 x 256
Weight (kg)	51
Operating Altitude (m)	<2000
Warranty	5 Years/10 Years
Certification	
Overview	UL1741, IEEE 1547, FCC Part 15B

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