KE-12KC5LSUF

- Ingress protection(ip)rating: IP20
- Supports up to 6 units parallel operation
- Mppt tracking efficiency up to 99%
- Supports in-depth customization
- BMS communication protocol is openable
- Supports single-phase full power output

Split-Phase Technical Parameters For The American Grid

Model	KE-12KC5LSUF
Inverter Output	
Rated Output Power(W)	12,000
Rated Output Voltage(V)	120/240
Rated Frequency(Hz)	50/60
Overload Capacity	110% 5min；150% 5s
Output Waveform	Pure Sine Wave
Transfer Time	10ms (Typical value); Max 15ms for single unit, max 30ms for parallel operation
Max Parallel Units	6
Total Voltage Total Harmonic Distortion (THDv)	<3% (Rated power)
DC Current Output	<0.5% x Rated current
Energy Saving Mode	Support
Battery	
Battery Type	Lead-acid or Lithium Iron Phosphate Battery
Rated Battery Voltage(V)	48
Voltage Range(V)	40~60
Li-ion Battery Charging Strategy	BMS Adaptive
Max.Charging Current(A)	200
Max.Discharging Current(A)	200
PV Input	
Number of MPPT Trackers	2/1+1
Max Input Power(W)	18,000
Max Input Current(A)	22+22
Max Input Short-Circuit Current(A)	33+33
Max Open-Circuit Voltage(V)	500
MPPT Rated Voltage(V)	375
MPPT Start-Up Voltage(V)	100
MPPT Operating Voltage Range (V)	125~425
Utility/Generator Input	
Input Voltage Range(V)	90~280
Input Frequency Range (Hz)	50/45-55，60/55-65
Bypass Overload Current (A)	63
Efficiency	
Max. Efficiency	97.6%
Euro Efficiency	96.5%
MPPT Tracking Efficiency	99%
Protection	
Integrated Protection	Over-temperature protection, overload protection, short-circuit protection, PV overvoltage protection, PV overcurrent protection, battery overvoltage protection，leakage current protection, surge protection
Surge Protection Level	DC Type II / AC Type III
General	
Dimensions (H×W×D) (mm)	620 x 470 x 147
Weight (kg)	25.5
Ingress Protection (IP) Rating	IP20
Operating Temperature Range	-10~55℃ (>45℃ Derating)
Noise Level @ 1m	≤45 @ 25℃ (77℉)
Type of Cooling	Intelligent Air Cooling
Warranty	1 Year
Communication	
Communication Port	Built-in：RS485/CAN/WIFI/Bluetooth; Option：4G
Certification	
Overview	UL 1741 3nd Edition (September 28, 2021), FCC SDOC Part 15B

Web：www.ktechsolar.com
Email：info@ktechsolar.com