



KE-5KC6LSUF/6KC6LSUF

KE-10KC5LSUF/12KC5LSUF

- IP20/IP54 protection degree (Optional)
- Max.6 pcs parallel
- MPPT tracking efficiency up to 99%
- Support deep customization
- Open BMS communication protocol
- PV circuit breaker
- MPPT * 2



Split-Phase Off-Grid Inverter Technical Data

Model	KE-5KC6LSUF	KE-6KC6LSUF	KE-10KC5LSUF	KE-12KC5LSUF
Inverter Output				
Rated Output Power(W)	5000	6000	10,000	12,000
Max Peak Power(W)	10000	12000	20,000	24,000
Rated Output Voltage(V)	100/110/120/127; 200/220/240; 208; 220			
Rated Frequency(Hz)	50/60z			
Output Waveform	Pure sine wave			
Switching Time	Typical Value: 10ms,max Value For Single Machine: 20ms,max Value For Parallel Machines: 30ms			
Number Of Parallel Units	6			
Battery				
Battery Type	Lead-acid / Lithium Iron Phosphate Battery / User-defined			
Rated Battery Voltage(V)	48			
Voltage Range(V)	40~60			
Max Solar Charging Current(A)	120		200	200
Max Mains Power/Generator Charging Current(A)	100		100	100
Max Hybrid Charging Current(A)	120		200	200
PV Input				
Number Of MPPT Routes	1		2	
Max Input Power(W)	7500	9000	7,500+7,500	9,000+9,000
Max Input Current(A)	27		22+22	
Max Open-circuit Voltage(V)	500		500+500	
MPPT Operating Voltage Range(V)	125~425		125 ~ 425	
Mains Power & Generator Input				
Input Voltage Range(V)	90~140		90 ~ 275	
Rated Frequency(Hz)	60/55~65		50/60	
Bypass Overload Current(A)	63/45		63	
Efficiency				
MPPT Tracking Efficiency	99%		99%	
Max Efficiency Of Battery Inversion	93%		92%	
General				
Dimensions(HxWxD)	472x365x130mm /472x412x130mm (IP20)		620x470x147 mm	
Weight	14.5kg /16kg (IP20)		25.5kg	
Ingress Protection (IP) Rating	IP20/IP54		IP20/IP54	
Operating Temperature Range(°C)	-10~55		-10~55 ,>45°C Derating	
Noise Level @ 1m	≤45dB @ 25°C (77°F)		<60dB @ 25°C (77°F)	
Type of Cooling	Intelligent Air Cooling			
Warranty	2 Years			
Communication				
Communication Port	RS485/CAN/Wi-Fi/ Bluetooth /4G		Wi-Fi / Bluetooth / RS485 / CAN / Dry Contact/4G	
Certification				
Overview	UL STD.1741, CSA-C22.2 No.107.1-16, FCC SDOC Part 15B			

