

Technical Parameters (110VDC)

| Model | SN-2KE2S | SN-4KE2S | SN-6KE2S | SN-8KE2S | SN-10KE2S |
|------------------------------------|---|-------------|-------------|-------------|-------------|
| Rated Capacity(KVA) | 2 | 4 | 6 | 8 | 10 |
| DC input side | | | | | |
| Nominal Voltage(VDC) | 110 | 110 | 110 | 110 | 110 |
| Undertension(VDC) | 99 | 99 | 99 | 99 | 99 |
| Under Voltage Recovery Point (VDC) | 117 | 117 | 117 | 117 | 117 |
| Over Voltage Point(VDC) | 155 | 155 | 155 | 155 | 155 |
| Overpressure Recovery Point (VDC) | 150 | 150 | 150 | 150 | 150 |
| AC Input(Optional) | | | | | |
| Voltage Range(VAC) | 170~260 (±2%) | | | | |
| Input Frequency (Hz) | 50/60(±3%) | | | | |
| Switch Mode (Optional) | Grid First/Inverter First | | | | |
| Switching Time (ms) | ≤10 | | | | |
| AC Output | | | | | |
| Output Power Rating(KVA) | 2 | 4 | 6 | 8 | 10 |
| Rated Voltage(VAC) | 220±5% | | | | |
| Rated Frequency(Hz) | 50/60±3% | | | | |
| Output Wave | Sine Wave | | | | |
| Overload Capability | 120% 1Minutes, 120%~150% 1Seconds | | | | |
| THD | ≤3% | | | | |
| Quiescent Dissipation | ≤0.1A | | | | |
| Waveform Distortion Rate (THD) | ≤3%(Linear load) | | | | |
| Dynamic Response(1~100%) | 5% | | | | |
| Peak Efficiency | ≥85% | ≥85% | ≥85% | ≥85% | ≥85% |
| Peak Factor (CF) | 3:1 | | | | |
| Environment Specifications | | | | | |
| Noise level (dB、1M) | ≤50 | | | | |
| AmbientTemperature(℃) | -10~+45 | | | | |
| Storage Condition (℃) | -25~+55 | | | | |
| Ambient thumidity | 0~95% (Non-condensate) | | | | |
| Altitude (m) | ≤5000 (More than 1000 m ,in accordance with relevant provisions of the GB / 3859.2 derating) | | | | |
| Protection function | Under voltage, over voltage, overload, short circuit, overheating, etc | | | | |
| Display Mode | Light/header | | | | |
| CommunicationFunction | RS485 (choosable) | | | | |
| Heat Dispatch Method | Forced Cooling | | | | |
| structural parameter | | | | | |
| IP Grade | IP20 | | | | |
| Size (D*W*H mm) | 413*233*372 | 413*233*372 | 600*305*780 | 600*305*780 | 600*305*780 |
| Weight (Kg) | 110 | 130 | 150 | 180 | 200 |

Technical Parameters (220VDC)

| Model | SN-5KFS | SN-8KFS | SN-10KFS | SN-15KFS | SN-20KFS |
|------------------------------------|---|-------------|-------------|-------------|-------------|
| Rated Capacity(KVA) | 5 | 8 | 10 | 15 | 20 |
| DC input side | | | | | |
| Nominal Voltage(VDC) | 220 | 220 | 220 | 220 | 220 |
| Undertension(VDC) | 198 | 198 | 198 | 198 | 198 |
| Under Voltage Recovery Point (VDC) | 234 | 234 | 234 | 234 | 234 |
| Over Voltage Point(VDC) | 300 | 300 | 300 | 300 | 300 |
| Overpressure Recovery Point (VDC) | 297 | 297 | 297 | 297 | 297 |
| AC Input(Optional) | | | | | |
| Voltage Range(VAC) | 170~260 (±2%) | | | | |
| (VAC) | | | | | |
| Input Frequency (Hz) | 50/60(±3%) | | | | |
| Switch Mode (Optional) | Grid First/Inverter First, Ordinary switch/static/without switch | | | | |
| Switching Time (ms) | ≤10 | | | | |
| AC Output | | | | | |
| Output Power Rating(KVA) | 5 | 8 | 10 | 15 | 20 |
| Rated Voltage(VAC) | 220±5% | | | | |
| Rated Frequency(Hz) | 50/60±3% | | | | |
| Output Wave | Sine Wave | | | | |
| Overload Capability | 120% 1Minutes, 120%~150% 1Seconds | | | | |
| THD | ≤3% | | | | |
| Quiescent Dissipation | ≤0.1A | | | | |
| Waveform Distortion Rate (THD) | ≤3% (Linear load) | | | | |
| Dynamic Response(1~100%) | 5% | | | | |
| Peak Efficiency | ≥90% | ≥90% | ≥90% | ≥90% | ≥90% |
| Peak Factor (CF) | 3:1 | | | | |
| Environment Specifications | | | | | |
| Noise level (dB、1M) | ≤50 | | | | |
| AmbientTemperature(℃) | -10~+45 | | | | |
| Storage Condition (℃) | -25~+55 | | | | |
| Ambient thumidity | 0~95% (Non-condensate) | | | | |
| Altitude (m) | ≤5000 (More than 1000 m ,in accordance with relevant provisions of the GB / 3859.2 derating) | | | | |
| Protection function | Under voltage, over voltage, overload, short circuit, overheating, etc | | | | |
| Display Mode | Light/header | | | | |
| CommunicationFunction | RS485 (choosable) | | | | |
| Heat Dispatch Method | Forced Cooling | | | | |
| structural parameter | | | | | |
| IP Grade | IP20 | | | | |
| Size (D*W*H mm) | 570*210*550 | 570*210*550 | 570*210*550 | 600*305*780 | 600*305*780 |
| Weight (Kg) | 60 | 75 | 100 | 185 | 185 |