

Technical Parameters (48VDC)

Model	SN-0.5KDS	SN-0.8KDS	SN-1KDS	SN-2KDS	SN-3KDS	SN-4KDS	SN-5KDS	SN-6KDS
Rated Capacity(KVA)	0.5	0.8	1	2	3	4	5	6
DC input side								
Nominal Voltage(VDC)	48	48	48	48	48	48	48	48
Undertension(VDC)	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
Under Voltage Recovery Point (VDC)	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
Over Voltage Point(VDC)	70	70	70	70	70	70	70	70
Overpressure Recovery Point (VDC)	68	68	68	68	68	68	68	68
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)	0.5	0.8	1	2	3	4	5	6
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)	≤5% (Linear load)							
Dynamic Response(1~100%)	5%							
Peak Efficiency	≥85%	≥85%	≥85%	≥85%	≥85%	≥80%	≥80%	≥80%
Peak Factor (CF)	3:1							
Environment Specifications								
Noise level (dB、1M)	≤50							
AmbientTemperature(℃)	-10~+45							
Storage Conditions (℃)	-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)	300*180*2	300*180*2	300*180*2	572*233*5	572*233*5	575*353*7	575*353*7	625*353*7
Weight (Kg)	12	12	22	35	39	61	65	74

Technical Parameters (96VDC)

Model	SN-2KE1S	SN-4KE1S	SN-6KE1S	SN-8KE1S	SN-10KE1S
Rated Capacity(KVA)	2	4	6	8	10
DC input side					
Nominal Voltage(VDC)	96	96	96	96	96
Undertension(VDC)	86.4	86.4	86.4	86.4	86.4
Under Voltage Recovery Point (VDC)	102.4	102.4	102.4	102.4	102.4
Over Voltage Point(VDC)	140	140	140	140	140
Overpressure Recovery Point (VDC)	136	136	136	136	136
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)	≤5% (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	413*233*372	572*233*530	572*233*530
Weight (Kg)	35	39	61	65	74