

SLDS 33 MODEL 10-200 kVA ONLINE UPS



*Product images may vary according to power values.

- Advanced dual-core DSP control technology and 3-level technology
- Output power factor 1.0
- Active Power Factor Correction Technology, input power factor up to 0.99
- System efficiency increased to 96%, energy saving rate doubled
- Up to 99% operating efficiency in ECO mode
- Dual input design supporting independent bypass
- Advanced digital and parallel technology providing higher reliability than a single system
- Wide input voltage range, 50 / 60 Hz auto-sensing frequency
- 50 Hz / 60 Hz frequency conversion mode
- Compact interior layout, small footprint
- Digitally controlled charger (Max. A)

FEATURES AND VALUES

- Fan speed changes intelligently according to temperature, reducing noise and extending service life
- Has strong fault tolerance, a damaged blade takes 50% of the load, two damaged fans take 30% of the load
- Conformal coating technology that enables the UPS to operate for a long time in harsh environments
- Effective hardware and software protection, robust self-diagnostic functionality, lots of event logs for the future
- Linear step-down at low voltage input reducing discharge times
- Flexible battery configuration setting, selectable numbers: 30 ~ 44 pcs
- Turning on UPS with battery when mains power is not available (Cold start)
- Zero switching time for UPS power supply mode ensures uninterrupted output when mains power is unstable
- Adjustable delayed start time when mains power is restored
- 5 inch LCD color touch screen, friendly human and machine interface
- Powerful background software for parameter configuration and online upgrade
- Advanced multi-platform communication for UPS monitoring: RS232, USB, RS485, dry contacts, SNMP card, Wi-Fi card and GPRS card
- Intelligent battery management, automatic equalization and variable charge control, charge rest control increase charger reliability and extend battery life
- Options and accessories: RS232, USB, RS485, parallel, dry contacts, EPO and battery temperature compensation interfaces

You can access the product page by scanning the QR Code with your phone.



MODEL	SLDS33	SLDS33	SLDS33	SLDS33	SLDS33	SLDS33
Strength	10kVA/10kW	15kVA/15kW	20kVA/20kW	30kVA/30kW	40kVA/40kW	60kVA/60kW
Input						
Rated Voltage	380/400/415Vac (3Φ + N + PE)					
Voltage Range	304~478Vac, full load 228V~304 Vac, load decrease linearly according to the min phase voltage					
Proportional Frequency	50/60Hz					
Frequency range	40~70 Hz					
Power Factor	>0.99					
Bypass Voltage Range	Selectable, default -20%~+15% Up limited: +10%, +15%, +20%, +25%; Down limited: -10%, -15%, -20%, -30%, -40%					
Bypass Frequency Range	Selectable, ±1Hz, ±3Hz, ±5Hz					
Input Current THDi	<3% (linear load)					
Bypass Overload	125%: long term operation; 125%~130%: 10min; 130%~150%: 1min; 150%~400%: 1s; >400%, less than 200ms					
Output						
Rated Voltage	380/400/415Vac(3Φ + N + PE)					
Voltage Sensitivity	±1% (linear load)					
Frequency	Synchronized with utility in mains mode, 50/60Hz±0.1% in battery mode					
Waveform	Sinusoidal					
Power Factor	1					
Total Harmonic Distortion (THDv)	<1% (full linear load); <3% (full non-linear load according to IEC/EN62040-3)					
Peak Factor	3:1					
Overload	<110%, 60min; 110%~125%, 10min; 125%~150%, 1min; >150%, 200ms					
BATTERIES						
DC Voltage	Long time model: ±240VDC(selectable, 32~40pcs)					
Standard Model Battery Voltage	(10+10)x9AH	(20+20)x7AH	(20+20)x9AH	(15+15)x9Ah x 2 strings	/	
Charging Current	10A max.			15A max.	20A max.	
Charge Voltage Accuracy	1%					
SYSTEM						
viewing	5 inch touch screen					
Yield	95% max.			96% max.		
Transfer Time	0ms					
Interface	Standard:RS232, RS485, USB,Battery cold startOption:Programmable dry contact,SNMP,Parallel kit					
ENVIRONMENT						
Operating temperature	0°C ~ 40°C					
Storage Temperature	-40°C~70 °C					
Relative humidity	0 ~ 95% (non condensing)					
Noise Level at 1M	58dB max.			62dB max.		
Altitude	<1000m, load derated 1% per 100m from 1000 ~ 2000m					
OTHER						
Dimensions (W×D×H)(mm)	250x720x560(S)250x720x560(H)	250x800x700(S) 250x720x56(H)		250x840x930(S) 250x840x650(H)	250x720x560(H)350x800x1280(S)	250x720x560(H)
Packaged Dimensions (W×D×H)(mm)	350x800x722(S) 350x800x718(H)	350x900x862(S) 350x800x718(H)		350x950x1102(S) 350x980x810(H)	350x800x718(H)450x900x1400(S)	350x800x718(H)
Net Weight (kg)	82(S) 31(H)	131(S) 33(H)	145(S) 33(H)	215(S) 42(H)	42(H) 300(S)	48(H)
Gross Weight (kg)	93(S) 40(H)	142(S) 42(H)	156(S) 42(H)	227(S) 52(H)	52(H) 310(S)	58(H)

MODEL	SLDS33	SLDS33	SLDS33	SLDS33	SLDS33	SLDS33	SLDS33
Strength	40 kVA/40 kW	60 kVA/60 kW	80 kVA/80 kW	100 kVA/100 kW	120 kVA/120 kW	160 kVA/160 kW	200 kVA/200 kW
Input							
Input Cabling	Three-phase five-wire (3Φ + N + PE)						
Rated Voltage	380 / 400 / 415 Vac						
Voltage Range	304 ~ 485 Vac (no downgrading), 138 ~ 304 Vac (linear downgrading between 40% ~ 100% load)						
Proportional Frequency	50 / 60 Hz (auto-sensing)						
Frequency range	40 ~ 70 Hz						
Power Factor	≥ 0.99						
Bypass Voltage Range	-60% ~ +20% (settable)						
Total Harmonic Distortion (THDi)	≤ 3%						
Output							
Output Wiring	Three-phase five-wire (3Φ + N + PE)						
Rated Voltage	380 / 400 / 415 Vac						
Voltage Regulation	±1%						
Frequency	Synchronized with utility in mains mode, 50 / 60 Hz ± 0.1% in battery mode						
Waveform	Sinusoidal						
Power Factor	1						
Total Harmonic Distortion (THDv)	≤ 1% (linear load); ≤ 4% (non-linear load)						
Peak Factor	3:1						
Overload	105% ~ 110% for 60 min, 110% ~ 125% for 10 min, 125% ~ 150% for 1 min, > 150% for 0.2 s						
BATTERIES							
DC Voltage	± 192 Vdc (± 180 ~ ± 264 Vdc settable)40 kVA built-in battery: ± 240 Vdc (80 pcs 9 Ah/12 V)						
Number of Batteries	32 pcs (30 ~ 44 pcs settable)						
Charge Current (max)	12 A	24 A		36 A		48A	
Charging Time	Depend on the capacity of battery						
SYSTEM							
Yield	Max. 96% in online mode, 99% in ECO mode						
Transfer Time	0 ms						
Protections	Short-circuit, overload, overtemperature, excessive low battery, overvoltage, undervoltage, fans failure						
Max Number of Parallel Connections	4						
Communication	Standard configuration: RS232, USB, RS485, RJ45, dry contacts;Optional configuration: SNMP card, Wi-Fi card, GPRS card						
viewing	5 inches colorful LCD touch screen						
OTHER							
Operating temperature	0°C ~ 40°C						
Storage Temperature	-25°C ~ 55°C (without battery)						
Relative humidity	0% ~ 95% (non-condensing)						
Altitude	≤ 1000 m; above 1000 m, downgrading 1% for each additional 100 m						
IP Rating	IP 20						
Noise Level at 1M	≤ 65 dB						
Dimensions (W×D×H) (mm)	360 × 850 × 885	360 × 850 × 950	360 × 850 × 1200	440 × 850 × 1200		600 × 850 × 1200	
Packaged Dimensions (W×D×H) (mm)	450 × 940 × 1055	450 × 940 × 1120	450 × 940 × 1370	530 × 940 × 1370		700 × 950 × 1370	
Net Weight (kg)	95,295 (built-in BAT)	130	156	158	198	250	300
Gross w	110,310 (built-in BAT)	145	172	180	220	275	325

Usage areas



Factory



CNC - Lazer

Hospital



Rail systems



Airports

Printing/Printi