

SLD 31 MODEL 10-20 kVA ONLINE UPS



- High input power factor 0.99
- Low input current harmonic distortion (THDI) < 5%
- High efficiency up to 94%
- Battery start feature
- Static and maintenance bypass feature
- Overload and short circuit protection system
- Standard emergency shutdown (EPO)
- 192 event logs (4500 alarms)
- Regenerative load feature
- calendar and clock
- Advanced automatic battery testing system
- Heat compensated battery charging system

*Product images may vary according to power values.



Minimum footprint



Short circuit
protection system



Standard emergency
shutdown (EPO)



**Modem Protection
Feature**



Intelligent fan speed
changing according to load



High
yield

SLD 31 10 kVA	10 kW
SLD 31 15 kVA	15 kW
SLD 31 20 kVA	20 kW

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



- Ability to set modem for dial-up connection
- RS232 and dry contact interface for remote monitoring
- Modular structure with 3 DSP control
- Isolation transformer option at input and output according to the application
- SNMP compatible communication option
- Minimum footprint
- MODBUS compatible communication option
- Compliance with international standards (EC directive EN 62040)
- 2 years full warranty and 10 years spare parts warranty
- Production with CE, TSE, ISO9001 and ISO14001 quality assurance system
- Numerically controlled structure

MODEL	SLD31		SLD31		SLD31	
Strength	10kVA / 10kW		15kVA / 15kW		20 kVA / 20 kW	
INPUT						
Input Connection	Three-phase five-wire (3Φ + N + PE)					
Rated Voltage	380 / 400 / 415 Vac (220 Vac)					
Voltage Value	190 ~ 305 Vac (linear derating between 50% and 100% load); 305~ 499 Vac (no derating)					
Rated Frequency	50 / 60 Hz (auto-sensing)					
Frequency Value	40~ 70Hz					
Power Factor	≥0.99					
Bypass Voltage Value	-40% ~ +15% (adjustable)					
Total Harmonic Distortion (THDi)	≤5%					
OUTPUT						
Output Connection	Single-phase three-wire (1Φ + N + PE)					
Rated Voltage	208(PF=0.9) / 220 / 230 / 240 Vac					
Voltage Regulation	±1%					
Frequency	Synchronized to bypass in mains mode; 50 / 60 Hz ± 0.1% Hz in battery mode					
Waveform	Sinusoidal					
Power Factor	one					
Total Harmonic Distortion (THDv)	≤ 1% (linear load); ≤3% (non-linear load)					
Peak Factor	3:1					
Overload	105% ~ 110% for 10 min, 110% ~ 125% for 1 min, 126% ~ 150% for 30 sec					
BATTERIES						
DC Voltage	192Vdc (192 ~ 240 Vdc adjustable)					
Battery Number	16 Pieces (16~20 adjustable)					
Internal Battery (standard model)	12V / 9 Ah × 16		12V / 9 Ah × 20		12V / 7 Ah × 40	
Charging Current	Long-term model: 5 A (default), 1 ~ 5 A adjustable; 10 A (optional)					
Charging Time	Standard model: 90% capacity restored in 8 hours; Long-term model: depends on battery capacity					
SYSTEM						
Productivity	≥94% at 100% load, max. 95% at 60% load, ≥ 98% in Eco mode					
Transfer Time	0ms					
Protections	Short circuit, output overload, over temperature, battery undervoltage, overvoltage/undervoltage, and fan failure					
Maximum Number of Parallel Connections	4					
Communication	RS232(standard), USB / RS485 / SNMP / battery temperature compensation (optional)					
Screen	LCD+LED					
ENVIRONMENTAL						
Operating temperature	0°C ~ 40°C					
Storage Temperature	-25°C ~ 55°C (without battery)					
Relative humidity	0 ~95% (non-condensing)					
Altitude	≤1000 m, 1% derating for each additional 100 m					
IP Rating	IP20					
Noise Value (1m)	≤ 58dB					
Dimensions(W×D×H) (mm)	191×495×711(S) 191×495×350(H)		190×442×688(S)		265×760×945 (S)	
Packaging Dimensions	310 × 685 × 941 (S) 318 × 617 × 475 (H)		310×570×785(S)		353x860x990 (S)	
Net Weight (kg)	64(S), 18.5(H)		78 (S)		100 (S)	
Gross Weight (kg)	72(S), 20(H)		84 (S)		105 (S)	