

Durable Series

DS-I 31L 10K-20K

Features

- 0.9 output power factor
- True online double conversion technology
- IGBT PFC technology.
- Wide input range.
- Zero transfer time.
- Complete protection function.
- Parallel function.
- Smart communication port.
- LCD/LED display.
- Cold start function.

Specifications

Model Name	DS10KI31L	DS15KI31L	DS20KI31L
Topology	True On-Line, Double Conversion / High Frequency		
Output Waveform	Pure Sine Wave		
Maximum Capacity	10KVA /9KW	15KVA /13.5KW	20KVA /18KW
INPUT			
Nominal Input Voltage	380/400/415Vac		
Input Voltage Range	304~519V(L-L) 3P4W+GL-L		
Input Power Factor	≥0.95		
Input Frequency Range	40Hz - 70Hz		
OUTPUT			
Nominal Voltage	220/230/240VAC, 1P2W+G		
Voltage Regulation	± 1 %		
Voltage Distortion	≤1% THD linear load, ≤ 5% THD non-linear load		
Synchronization range	settable,±3Hz default		
Battery mode	50 ±0.05 Hz		
Efficiency	Line mode with battery full charged 93%, ECO mode 99%, Battery mode 92%.		
Overload Capability (Line Mode)	110%: Transfer to bypass after 60 mins, 130%: Transfer to bypass after 1 min, 150%: Transfer to bypass after 30s, shutdown after 1 min.(Line mode)		
Overload Capability (Battery Mode)	110%: Shutdown after 10mins (Battery mode), 125%:Shutdown after 10s(Battery mode), >125%: Shutdown after 1s (Battery mode)		
Crest Ratio	3:1		
BATTERY			
Rating/Type	Depend on the capacity of external batteries		
Quantity	16pcs		
DC Voltage	192VDC		
Back-up Time 80% load	Depend on the capacity of external batteries		
Battery-Low Voltage	176 ±3VDC		
CHARGER			
Charging current (max)	5A		
Charging time	Depend on the capacity of external batteries		
INDICATOR & ALARM			
Display	LED+LCD		
Alarm	Sounding once per second		
Fault	Continuous beeping		
INTERFACE			
Standard	RS232 port		
Optional	ECO Kit, Parallel Kit, SNMP Card, Dry Contactor		
ENVIRONMENT			
Operation Temperature	0°C - 40°C		
Storage Temperature	0°C - 70°C		
Altitude	< 1000m		
Humidity	< 95%		
PHYSICAL			
Dimensions (W×H×L)	250×526×640mm		
Net Weight	25kg		33kg

Specifications are subject to change without notice.

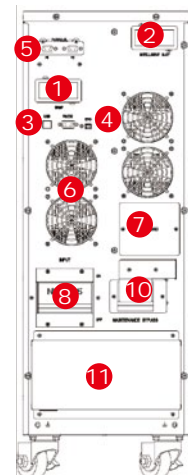


Front Panel



- A ON/OFF
- B Status
- C Home
- D Enter

Rear Panel



- 1 SNMP(optional)
- 2 Dry contact(optional)
- 3 USB/RS232
- 4 EPO
- 5 Paralle(optional)
- 6 FAN
- 7 Reserved functional position
- 8 Input Breaker
- 9 External Battery Interface
- 10 Maintenance Bypass
- 11 Terminal Block