

## Finch 31 SERIES 10 to 30 KVA



### Special Features

- ◆ True Double Online Conversion
- ◆ DSP technology guarantees high performance
- ◆ Output power factor 0.9
- ◆ Wide input voltage range (110-300 VAC)
- ◆ Active Power factor correction in all phases
- ◆ Built-in phase auto adapt function simplifies wire installation
- ◆ 50 Hz/60 Hz frequency converter mode
- ◆ ECO mode operation for energy saving
- ◆ Programmable power management outlets
- ◆ Emergency Power off function(EPO)
- ◆ Generator Compatible
- ◆ SNMP+USB+RS-232 multiple communications
- ◆ 3-stage extendable charging design for optimized battery performance
- ◆ Adjustable battery numbers
- ◆ Maintenance bypass available
- ◆ Optional N+X parallel redundancy

## Quality Power Protection

For the critical power requirements in IT/ITES,  
SME, Medical & Small Offices



**Intertek**

ISO 9001 & ISO 14001  
REGISTERED



# UPS – 10 to 30 KVA

SPECIFICATIONS

Model	Finch 10 KVA (0.8 PF)	Finch 10 KVA	Finch 15 KVA	Finch 20 KVA	Finch 30 KVA
Output Power Capacity	8000 W	9000 W	13500 W	18000 W	27000 W
Topology	True Online Double Conversion UPS				
<b>Input</b>					
Phase	Three Phase				
Voltage	400V/415V AC(3 Ph+N)				
Voltage Range	190-520V AC(3Phase)@ 50% Load; 305-478V AC(3Phase) @ 100% Load				
Frequency Range	46 ~ 54 Hz				
Power Factor	≥0.8 at 100% Load			≥0.99	
<b>Battery</b>					
240 V DC					
Battery Charging	Constant Current & Constant Voltage				
<b>Output</b>					
Nominal Output Voltage	208/220/230/240V AC ± 1%				
Frequency	50 Hz ± 0.2 Hz			50 Hz ± 0.1 Hz	
Frequency Synchronisation	46 ~ 54 Hz				
Voltage THD	≤ 3% THD (Linear Load) ≤ 5% THD (Non-Linear Load)			≤ 2% THD (Linear Load) ≤ 5% THD (Non-Linear Load)	
Crest Factor	3:1				
Transfer Time	Zero ms				
Waveform	Pure Sinewave				
<b>Efficiency</b>					
AC / AC (Overall Efficiency)	≥ 91%			≥ 92%	
Eco Mode	-			97 %	
<b>Overload Capacity</b>					
105 % - 110 %	10 min				
110 % - 130 %	1 min				
<b>Communication</b>					
RS232	Available				
USB Com Port	Available				
Intelligent Slot	SNMP / MODBUS - Optional				
<b>Environment</b>					
Operating Temperature	0 ~ 40°C Continuous				
Humidity	0-95% RH@ 0-40°C (Non - condensing)				
Noise Level @ 1 Meter	Less than 58 dBA	Less than 58 dBA	Less than 60 dBA	Less than 60 dBA	Less than 65 dBA
<b>Display</b>					
LCD	Load Level, Battery Level, AC Mode, Battery mode, Bypass mode and Fault indicators				
<b>Alarm</b>					
Battery Mode	Sounding for every 4 seconds				
Low Battery	Sounding every second				
Over Load	Sounding twice every second				
Fault	Continuously sounding				
<b>Standards</b>					
Ingress Protection	IP 20				
Safety	EN 62040 - 1				
EMI / EMC	EN 62040 - 2				
Performance	IEC 62040 - 3				
Certification	Compliance - CE/ROHS				
Dimension D x W x H (mm)	442 x 190 x 318	592 x 250 x 576	592 x 250 x 576	592 x 250 x 576	815 x 250 x 826
Net Weight (Kgs)	15	28	40	40	64

\* The information contained in this publication is subject to change without prior notice.

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