

FINCH PG

UPS - 10 KVA - 30 KVA

Three Phase Input & Single Phase Output

Three Phase Input & Three Phase Output

Online Double Conversion UPS

Finch PG is a double-conversion online UPS with a output power factor 0.9 providing higher power density, delivering 12.5% more power when compared with conventional UPS (designed with output power factor of 0.8). Finch PG is with DSP technology and active input power factor correction design to ensure better output voltage conditions, power quality and power performance at all times. Its dual mains inputs will secure the power reliability in areas with poor power quality.

Topology

- Online double conversion UPS.
- Input power factor corrector 0.99 (PFC)
- Automatic bypass, allow to transfer the load to the mains in case of overload or internal fault
- Output Power factor of 0.9



Flexibility

- Configurable as Single Phase Input & Output or Three Phase Input and Single Phase output on 10KVA
- Hot standby configuration to ensure the availability of quality power to mission critical applications
- Battery cold start feature allows UPS to be powered on from the battery without utility
- Can be paralleled upto 3 units for capacity and / or redundancy
- Flexible / settable battery configuration

Total Cost of Ownership

- Wide tolerance of the input voltage reduces switchovers to battery mode, prolonging battery life.
- Green and energy saving: AC/AC efficiency upto 98% in ECO Mode

Communication Options

- Emergency power off feature and Remote UPS shutoff in the event of a fire or other emergency as standard
- Intelligent Communication Slot (optional) for Ethernet, or RS485 (Modbus) or Potential free contacts
- RS232 for local monitoring (Standard)
- Remote Control of UPS through SNMP Card
- Centralised monitoring system to monitor all the UPS connected in the network
- Informative LCD with detailed Status of UPS



Technical Specification
Finch PG

10 KVA - 30 KVA

General	Finch PG				
Configuration	Three Phase Input & Three Phase Output			Three Phase Input & Single Phase Output	
Capacity	10KVA	20KVA	30KVA	10KVA	20KVA
Capacity	9KW	18KW	27KW	9KW	18KW
Input					
Nominal Voltage	3 x 400 VAC (3Ph+N)				
Input Voltage Range	190-520 VAC (3-phase) at 50% load 305-478 VAC (3-phase) at 100% load				
Frequency Range	46 ~ 54 Hz or 56 ~ 64 Hz				
Power Factor	≥ 0.99 @ 100% Load				
Output					
Output Voltage	3/400VAC (3P+N)		200/208/220/230/240VAC		
AC Voltage Regulation	± 1 %				
Frequency Range	47 ~ 53 Hz				
Frequency Range (Batt)	50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz				
Current Crest Ratio	3:1(max)				
Harmonic Distortion	≤3 % THD (Linear Load) ≤6 % THD (Non-Linear Load)				
Transfer Time	Zero				
Waveform (Batt. Mode)	Pure Sinewave				
Overload	105% - 110% : 10mins; 110% - 130% - 1 min; >130% - 3 sec				
Efficiency					
AC Mode	90.5%	91.5%	92.1%	91.50%	91.50%
ECO Mode	96%			97%	
Battery					
Battery Type	SMF VRLA / Vented Battery				
Numbers	20 Nos (18 - 20 adjustable)				
Typical Recharge Time	9 hours recover to 90% capacity				
Charging Current (max)	4A	4A	12A	4A	4A
Indicators					
LCD Display	UPS status, Load level, Battery level, Input / Output voltage, Discharge timer and Fault				
Physical					
Dimension, L x W x H (mm)	592 x 250 x 826	592 x 250 x 826	815 x 250 x 826	592 x 250 x 826	592 x 250 x 826
Net Weight (kg)	38	40	64	28	40
Humidity	0-95% RH @ 0-40°C (Non-condensing)				
Noise Level	Less than 60dB @ 1 Meter				
Management					
Smart RS-232 / USB	Support Windows@2000/2003/XP/Vista/2008, Windows@7/8, Linux and MAC				
Optional RS485	SNMP, Modbus (RS485) and Potential Free Contact				

*Specifications are subject to change

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