

Online Double Conversion UPS

Finch UPS

UPS 1 KVA -10 KVA



FINCH PW

UPS - 1 KVA - 10 KVA

Single Phase Input & Single Phase Output

On Line Double Conversion UPS

Finch PW is specifically designed for operation in poor power quality areas. Finch PW provides high power density with long backup time in compact size. It's ideal for ATMs, banking and other business critical applications where a higher backup time is required.

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
- Single Phase Input & Output

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 on 6KVA
- Battery cold start feature allows UPS to be powered on from the battery without utility
- Inbuilt Manual bypass in 6&10KVA to facilitate concurrent maintenance without disturbing the loads
- Compact and reduced foot print with inbuilt battery on 1 - 6KVA

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 on 1-3KVA



Technical Specification
Finch PW

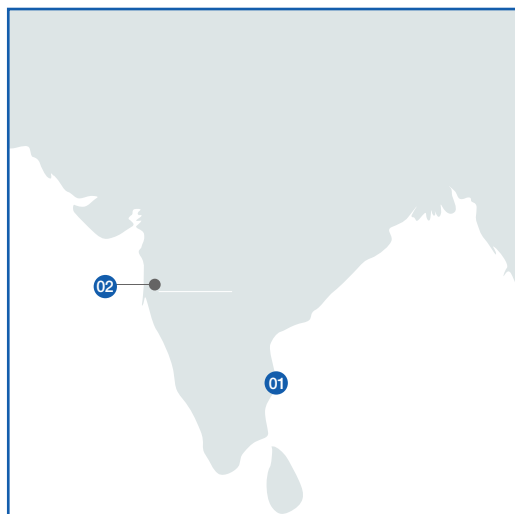
1 KVA - 10 KVA

General						
Finch PW						
Configuration		Single Phase with Ground				
Capacity		1KVA	2KVA	3KVA	6KVA	10KVA
Capacity		800W	1.6KW	2.4KW	4.8KW	8KW
Input						
Nominal Voltage		200/208/220/230/240VAC				
Input Voltage Range		110-300VAC (1-Phase) @ 50% Load or 176-300VAC (1-Phase) @ 100% Load				
Frequency Range		40 Hz ~ 70 Hz				
Power Factor		, 0.99 @ Nominal Voltage (100% Load)				
Output						
Output Voltage		200/208/220/230/240VAC				
Voltage Regulation		± 1 %				
Frequency Range (Synchronized Range)		+/-3 Hz			+/-4 Hz	
Frequency Range (Batt. Mode)		50 Hz ± 0.25 Hz / 60 Hz ± 0.3 Hz			50/60 Hz ± 0.1 Hz	
Crest Factor		3:1				
Harmonic Distortion		,3 % THD (Linear Load) ,6 % THD (Non-Linear Load)			,3 % THD (Linear Load) ,5 % THD (Non-Linear Load)	
Waveform		Pure Sinewave				
Overload		105% - 110% : 10mins; 110% - 130% - 1 min; >130% - 3 sec				
Electrical Outlet	Input	1XC14 IEC Socket	1 XC20 IEC Socket		Terminal Block	
	Output	3XC13 IEC Socket	6 XC13 IEC Socket		Terminal Block	
Efficiency						
AC Mode		88%	88%	90%	92%	91%
Battery						
Built in Battery	Battery Type	12 V / 9Ah	12 V / 9 Ah	12 V / 9 Ah	12 V / 9 Ah	NA
	Numbers	2	8	8	16	NA
	Typical Recharge Time	4 hours recover to 90% capacity			9 hours recover to 90% capacity	
	Charging Current (max)	1A			1A / 2A	1A / 2A /4A
	Typical Backup Time**	4 mins	8 mins	5 mins	5 mins	NA
LCD		Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicators				
Physical						
Standard Model	Dimension, D x W x H(mm)	280 x 145 x 225	425 x 190 x 335	425 x 190 x 335	410 x 190 x 690	400 x 195 x 335 ⁽¹⁾
	Net Weight (kgs)	9.8	27.6	27.6	61	15 ⁽¹⁾
Environment						
Humidity		20-90 % RH @ 0-40°C (Non-condensing)				
Noise Level @ 1 Meter		Less than 50dB			Less than 55dB	Less than 60dB
Management						
Smart RS-232 / USB		Support Windows®2000/2003/XP/Vista/2008, Windows®7/8, Linux and MAC				
Optional		SNMP, Modbus (RS485) and Potential Free Contact				
Applicable Standards		IEC 62040-1,IEC 62040-2,IEC 62040-3,CE				

*Specifications are subject to change

** at 80% Load

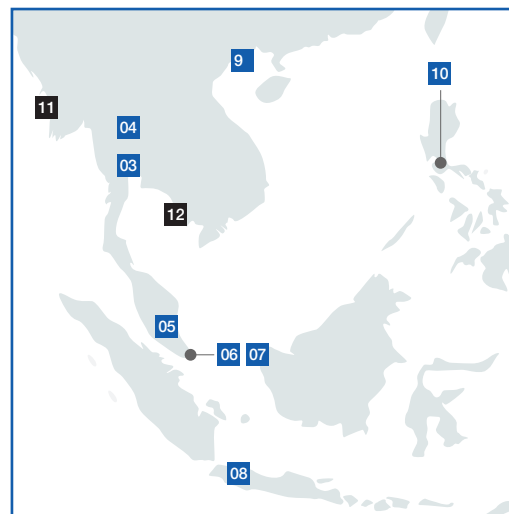
(1) without Battery



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