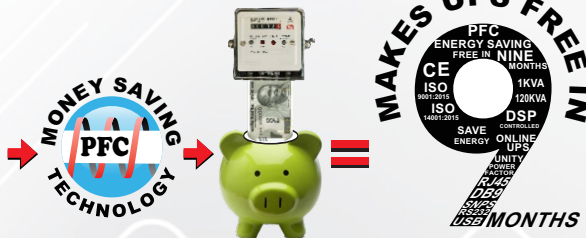


ALFA PFC ONLINE

(Half Electricity Consuming)
1 Phase in - 1 Phase out



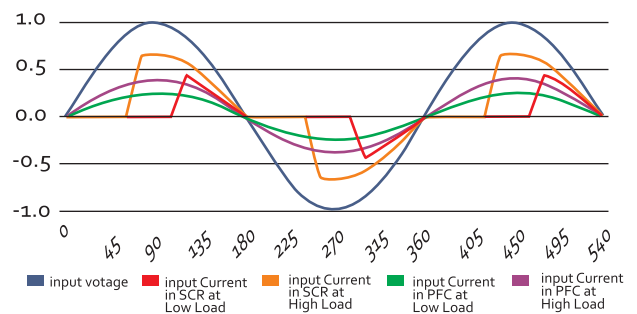
Available in
1-10kVA

In comparison to an SCR based UPS, Its phenomenal saving is more than 4KWH per hour, which is 40 Units a day for 10 hours of work that delivers a saving of 12000 units per year. You save a whopping Rs 60,000 per year. This makes the UTL UPS almost 'Free' in just a year, while its continues to more savings for the years to come.

FEATURES

- LCD Display.
- Active Power Factor Correction.
- Customization Available.
- Single Card Including Inverter, Charger & Power Device.
- All in One Single Card with DSP controller.
- Communication (Optional).
- User Configurable.
- Inbuilt Isolation

Current wave forms for SCR and PFC option



Alfa PFC Online

Half Electricity Consuming (1 Phase in - 1 Phase out)

TECHNICAL SPECIFICATION

INPUT									
Power Rating	kVA	1	2	3	4	5	7.5	10	
DC Voltage	V	96			120 / 180		180		
Voltage Range	V	145 to 280			175 to 280				
Frequency	Hz	50±5%							
Input Power Factor		0.95 @ up to 120VDC, 0.84 @ 180VDC							
Charge Topology		BUCK - IGBT							
Electrical Connection	Input	2.5 mm ²	4 mm ²	6 mm ²	6 mm ²		12 mm ²	16 mm ²	
	Output	1.5 mm ²	2.5 mm ²	2.5 mm ²	4 mm ²		6 mm ²	8 mm ²	
	Batt.	96V	4 mm ²	4 mm ²	10 mm ²	12 mm ²		NA	
		120V	4 mm ²	4 mm ²	6 mm ²	12 mm ²		NA	
		180V	2.5 mm ²	4 mm ²	4 mm ²	6 mm ²		10 mm ²	
Earth	2.5 mm ²	4 mm ²	6 mm ²	10 mm ²		12/16 mm ²			
OUTPUT									
Load Current	A	3.5	7.0	10.4	17.3		26.0	34.7	
Voltage	V	220/230							
Voltage Regulation	%	±1							
Frequency (Free Running)	Hz	50±0.05							
Frequency Sink Mode	Hz	47.5 - 52.5							
Wave Form		Pure Sine Wave							
Transient Response	%	<8(10%~90% Liner Load)							
Voltage Harmonic	%	<3 Liner Load							
Over Load Capacity	%	100-110 : 10min 150 - 200 : 10 sec. 110 - 125 : 2min 200 - 300 : 50ms 125 - 150 : 1min							
Crest Factor		3.1							
AUDIBLE WARNING									
Battery Back-up Ending		Intermittent							
Over Load		Continuous							
DISPLAY									
LED		UPS ON # Battery High/Low # Overload # O/P High/Low # Charging ON # Mains Low/High, Bypass, Fault/Overheat.							
PROTECTION									
Output Overvoltage #Output undervoltage #Overload #Output Short Circuit #Battery Overvoltage #Battery undervoltage, Input Low/High.									
PARAMETER									
LCD Display		Input Voltage & Frequency, Output Voltage & Frequency, Load %, Charging Current, DC Voltage, UPS Status							
INTERFACE									
DB 9 (Optional)		RS 232/ USB Port, Ethernet							
OTHERS									
Battery Start		Standard							
Cabinet Wheels		NA	Standard						
Extended Battery Chg.		Optional							
Bypass		Auto Bypass By Relay					Static Bypass (Optional)		
								Default Rotary Switch	
Auto Bypass (Low-High Cut)	V	185 to 250							
Static Bypass (Low-High Cut)	V							185 to 250	
OVERALL									
Efficiency (AC-AC)	%	>85**(Full Load)							
Transfer Time (Mains to Batt.)	mS	0							
Temperature	°C	0-40							
Humidity	%	5-95(Non-Condensed)							
Dimension (LxWxH)	mm	460 x 260 x 445			610 x 285 x 540		613 x 330 x 670		
Weight	Kg	40	45	60	65	70	100		

*Specification are subject to change without prior notice due to constant improvement in design & technology.



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