



UTL

COMBO UPS

THUNDER



How ?

Sweetheart, Switch off all the lights and appliances, **ITS THUNDERING OUTSIDE..**

NO need, we have **UTL Combo Thunder** which takes care of our appliances.

During lightening, discharge of cloud may go to transmission lines that could generate High Voltage and may damage our appliances and UPS. But **UTL's Combo Thunder** has Lightening Protection feature that saves our appliances and also the UPS itself.



NORMAL UPS

NORMAL INVERTER NO PROTECTION AGAINST LIGHTNING

ELECTRICAL SURGE DURING THUNDER STORMS DAMAGES THE INVERTER FULLY

One can avail this optional protective feature at nominal charges. Another advantage of this Lightning protection feature is that the fusible MOV used in it can be easily replaced by the end-user also. This means that in case the MOV fuse gets shorted due to thundering, the end-user can, without any help from any repair-engineer, replace the fusible part with a new one. Additional fusible parts are provided to the end-user at the time of installation itself. Therefore, Combo UPS+ is the ideal power back-up option for any household and best back-up option in coastal and hilly areas where thundering remains more common.

COMBO UPS THUNDER

UTL COMBO UPS THUNDER WITH ADVANCED LIGHTNING PROTECTION

DOESN'T GET DAMAGED EVEN DUE TO ELECTRICAL SURGE IN THUNDER STORM

Combo UPS+

UTL'S COMBO UPS is powered by microcontroller digital technology. It was possible through only this technology that all the appliances including Tube lights, Fans & Computer can run altogether which eliminates the need of two equipments for similar applications, at your home or office. So, it is an Inverter built in a UPS.

- Micro digital technology
- Maintains battery health
- Any battery option
- Auto overloads resetting
- Best regulated output-
- Micro digital technology



MICRO DIGITAL TECHNOLOGY

Get the freedom to run all your appliances at the same time with the UTL's Combo UPS. Powered by a microcontroller underneath its hood, it gives you the freedom to use the same UPS in order to run all the different appliances you own. Thus eliminating the need to buy and maintain two back-up systems to run your PC and fans at the same time. UTL's Combo UPS is the complete solution to all your stored energy needs whether it's your office or your home, you always get complete peace of mind

MAINTAINS BATTERY HEALTH

The Combo UPS provides the battery installed to it with a constant boost charging current until its voltage reaches 14.2V and the float current then maintains this voltage above 13V. Thus reducing the float current to zero, ultimately resulting in much enhanced battery life keeping it fully charged simultaneously.

ANY BATTERY OPTION

The Combo UPS from the house of UTL has the intelligent feature to recognize the type of battery connected to it. May it be an ordinary battery or a branded one, a tubular battery or a sealed one. No matter what the type, it auto adjusts the battery's charging characteristics accordingly. Even those batteries which cease to go over 13.5V after a while of use work flawlessly with UTL's Combo UPS. While the UPSs from other brands overcharge such batteries. UTL's Combo UPS on the other hand declares them fully charged at 13.5 volts, thus preventing them from being overcharged. With an option for battery equalization the Combo UPS from UTL is a complete package. So, go ahead and install any battery you like.

AUTO OVERLOAD RESETTING

UTL's Combo UPS has the ability to sense the level of load attached to it. When subjected to excessive load the UPS enters a stand-by mode in which it keeps on beeping and sensing the load and then turns itself back ON when it finds the load to be in its specified level of operation, dismissing the need of manual resetting. If the load is not reduced, the UPS then after 7 attempts to turn itself back ON undergoes shutdown

BEST REGULATED OUTPUT

Get the best regulated output voltage and frequency from no load to full load under all conditions of the battery with UTL's Combo UPS. A crystal controlled accurate 50Hz supply ensures the hassle free working of your appliances.



QUASI SINE WAVE HOME UPS

Specifications					
Model No	C-475	C-775	C-1075	C-1250	C-1675
Rating (VA)	400VA	675VA	875VA	1000VA	1500VA
Rating (Watt), Depend on Load Power Factor	320 W	500 W	640 W	800W	1200W
DC System voltage	12V	12V	12V	12V	24V
Input voltage Waveform	Sinusoidal				
Input supply Phase	1 phase 3 wires				
Nominal Input Voltage	230Vac				
Low Cut voltage	170Vac ± 10Vac (Narrow/UPS) 100Vac ± 10Vac (Wide/Inverter)				
Low Cut recover voltage	180Vac ± 10Vac (Narrow/UPS) 110Vac ± 10Vac (Wide/Inverter)				
High Cut Voltage	260Vac ± 10Vac (Narrow/UPS) 290Vac ± 10Vac (Wide/Inverter)				
High Cut recover voltage	250Vac ± 10Vac (Narrow/UPS) 270Vac ± 10Vac (Wide/Inverter)				
Max Ac input Voltage	290Vac				
Nominal input frequency	50Hz				
Output short circuit protection	Yes				
Inverter Mode					
Power Factor	0.8				
Nominal Output Voltage	240Vac				
Output Voltage waveform	Quasi/Square wave				
Output Frequency on Battery	50Hz ± 3 Hz				
Typical Efficiency	≥ 80 %				
Overload Capacity (In wide / Inverter Mode)	≥ 110 % 7 th times auto reset, 8 th times shut down ≥ 150% Output Goes down				
Overload Capacity (In Narrow / UPS Mode)	≥ 100 % System shutdown in 1 st time				
LED Indication	#Mains On #Battery Low #Battery Charging #Overload #Mains High #Battery On, #Wide Range #Narrow Range				
Safety Protection					
Overload on Mains	AC Fuse				
Overload on Battery	Shutdown after 7 th automatic restart (Wide/inverter mood) Shutdown without restart when Narrow/UPS mode				
Reverse Battery Polarity	Fuse on Real panel				
Low battery voltage	Automatic Shutdown				
Others Protection circuitry	Output short-circuits protection				
Others specification					
Battery Type	Lead acid/ Sealed Maintenance free/ Tubular type				
Audible alarm	Alarm when On battery,				
Operating Temperature	0 °C-40°C				
Protection Class	IP 20				

◆ Specifications are subject to change without prior notice