



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

Hoodi... Back Up

UTL Hoodi...Back-up is safest combination of UPS and Voltage Stabilizer as it provides Pure Sine Wave Output. It is powered by micro controller digital technology. You can run all appliances altogether including Tube lights, Fans & Computer which eliminates the need of two equipments for similar applications, at your home or office

- ✓ Pure sine wave Output
- ✓ Maintains battery health
- ✓ Any battery option
- ✓ Auto overloads resetting
- ✓ Built in Stabilizer

Pure Sine Wave Output

Prevent crashes in computers, weird print outs and glitches in monitors with clean/distortion free pure sine wave output from UTL's HOODI...BACK-UP . Now run inductive appliances much quieter and cooler similar to how they run on utility supplied electricity

Maintains Battery Health

The HOODI...BACK-UP provides the battery installed to it with a constant boost charging current until its voltage reaches 14.2V and the float current 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 HOODI...BACK-UP 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 is, 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 Hoodi...Back. While the ups's from other brands overcharge such batteries UTL's Hoodi...Back-Up 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 Hoodi...Back-Up 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

Built in Stabilizer

A built in stabilizer in the UTL's HOODI...BACK-UP work both as a UPS and an inverter, eliminating the need of buying a separate stabilizer for regulation of the AC input. Even if the AC Mains drop down to only a hundred volts the charging current remains full



TECHNICAL SPECIFICATIONS			
Input Parameters			
Model No	SC-2524	SC-3536	SC-5096
Rating (VA)	2000VA	3500VA	5000VA
Rating (Watt),(Incandescent Bulb load)	1500 Watt (load Pf-1)	2100 Watt (Load Pf-1)	4000Watt (Load Pf-1)
DC Voltage	24Vdc	36Vdc	96Vdc
Nominal Input voltage	230Vac		
Low Cut voltage	140Vac ± 10Vac		
High Cut voltage	270Vac ± 10Vac		
Frequency	50Hz with phase Sync		
Charger Topology	Boost MOSFET Based		
Output parameters in inverter mode			
Output Voltage	200-250Vac		
Frequency	50Hz ± 0.5 %		
Waveform	Sine wave		
Voltage Harmonic	< 3%		
Overload Capacity	Wide / inverter mode ≥ 110 % 7 th times auto reset, 8 th times shut down		
	Narrow / UPS mode ≥ 110 % System shutdown in 1 st time Manual reset		
Battery Type	Lead acid/ Sealed Maintenance free/ Tubular type		
Audio able warning			
Battery Low	Intermitted		
Overload	Continuous		
Mode change	Single Beep		
Indication			
LED	#Mains On #Battery Low #Battery Charged #Overload #Mains High #Wide Range #Narrow Range		
Others			
Transfer time	Narrow / UPS mode < 5ms		
	Wide / Inverter mode < 50ms		
Typical Efficiency	≥ 80 %		
Safety Protection			
Overload on Mains	AC Fuse		
Reverse Battery Polarity	Fuse on Real panel		
Low battery voltage	Automatic Shutdown		
Others Protection circuitry	Output short-circuits protection		
Others specification			
Operating Temperature	0 °C-40°C		
Protection Class	IP 20		

◆ Specifications are subject to change without prior notice