

# HI-LITE

## HIGH FREQUENCY SINEWAVE COMBO UPS



itne se mein kitna kuch...

### Pure Sine Wave Output

UTL HI-LITE is a noiseless high frequency combo system. It is extremely light weight with high computer compatibility. It is the safest and true combination of an ups and an inverter in one unit as it provides pure sine wave from no load to full load. Like our other combo products it is also powered by micro controller digital technology.

### INTELLiGENT Charger

HI-LITE incorporates smart multilevel charging providing good battery health which yields in longer battery life with low battery maintenance. HI-LITE achieves full charging current from 100V ac input. It provides a constant boost charging current until the voltage of battery reaches 14.2V and then float current (very close to zero) maintains it above 13V. Thus float current (flowing for the longest period in all this process) is reduced to nearly zero, ultimately resulting in much enhanced battery life, keeping battery fully charged simultaneously. Now this is the HI-LITE INTELLiGENCE that makes an ordinary battery live long like a maintenance free costly battery.

### Auto Overload Re-setting :

Empowered by a smart brain HI-LITE shuts down automatically if exposed to a load more than its specified limit. In *wide range* it keeps on beeping and sensing the load to switch itself on to find the load within its specified limit eliminating the manual resetting by the user. If the load is not reduced it will shut down itself after 8 such attempts and user will need to restart it manually. However in *narrow range* it will permanently shut itself off if exposed to excessive load and the user has to reset the HI-LITE manually after decreasing the load within its specified limit.

### Any Battery Option :

HI-LITE has an INTELLiGENT Feature to recognize any battery connected to it. May it be local ordinary battery, Branded/Automotive battery, Sealed Maintenance Free battery or Tubular battery, it auto adjusts its charging characteristics according to any battery you connect. So type no bar, go for any battery you like to buy.

### No Load Shutdown

HI-LITE has this smart feature of no load shutdown, that saves the precious battery back-up for you. If there is no load on HI-LITE and AC mains is absent, it will shut itself off. It will automatically restart itself on, when you apply some load over it. This is a user configurable feature.

### Technical Features

	NAR. Range	WIDE Range
MAINS LOW CUT OFF	170	90
MAINS HIGH CUT OFF	260	295
OVERLOAD RESET	Manual	Auto
CHANGE OVER TIME	3ms	500ms
OUTPUT VOLTAGE	220V±8%, 50HZ Sine Wave	
THD	<3%	
OVER LOAD CAPACITY	102% cont., 300% for 30ms	
BATT. CHARGING RATE	Const. Curr. 7% of Batt. Capacity	
AUTO ALARM	Buzzer for Overload, Low battery, Mode Change & NLSD Configuration	
EFFICIENCY	95% Typical	

### Load Chart

CAPACITY	BATT. RECO. FOR 3 HRS BACK-UP	LOAD RECOMMENDED
810VA	190 AH	1PC+2F+3T
1260VA	2 X 190 AH	1PC+5F+5T

Load Equivalents : 1PC = 2F+2T; 1F = 1 TV  
PC=Personal Computer, F=Fan, T=Tube Light

Specifications mentioned above are subject to change without any prior notice, due to our constant endeavor to improve the product.