

# DELIVERING POWER WHEN YOU NEED IT THE MOST



Online UPS Is An Uninterruptible Power Supply Incorporating Double-conversion Technology.

The Double Conversion Principle Eliminates All Power Disturbances In The Main Supply.

Online UPS Provides An Independent, No Breaking Source Of Clean, Stable, Transient Free Uninterrupted Power Supply With Output Neutral Bonded To The Ground This Protects Critical Loads Against Power Line Disturbances And Loss Of Commercial Power.

The UPS Gives An Accurately Controlled Sine Wave AC Output Without Any Line Disturbances. It Provides Regulated Sinusoidal Output Voltage Under Several Input Conditions Such As Power Failure, Surge, Sag, Spikes, Noise, Frequency Instability And Harmonic Distortions.

The True Advantage Of The Online UPS Is Its Ability To Provide An Electrical Firewall Between The Incoming Utility Power And Your Sensitive Electronic Equipment.

Highly Reliable Single Card-based Online UPS Comprises Of A Rectifier, An Auto Float Cum Boost Charger, Battery Backed Inverter With Under-voltage, Over-voltage, Short-circuit Protection Along With A High Degree Of Input To Output Isolation. The Amplification Stage Has IGBT Technology For Pure Sine Wave Output.

For More Details Please Contact : +91 9003027767 | nalli@helloltd.in

## ONLINE UPS 1 PHASE



RATED CAPACITY		3KVA	5 KVA	7.5 KVA	10 KVA
TECHNOLOGY		PWM with IGBT			
POWER RATING		2400 W	4000 W	6000 W	8000 W
INPUT	Voltage	230VAC (Single Phase + N + E 3 wires)			
	Voltage Range	175V - 275V AC (Adjustable)			
	Frequency Range	46 - 54 Hz			
	Power Factor	> 0.99			
BATTERY	DC Voltage	72V - 96V	96V - 120V	120V - 144V	144V
	Backup Time	Depends upon Battery Capacity			
	Charging Current	2A - 10A (Adjustable)			
OUTPUT	Voltage	220V ± 1%			
	Frequency	50 ± 0.2Hz			
	Output Waveform	Pure Sine wave			
	Power Factor	0.8			
	Crest Factor	03:01			
	Harmonic Distortion (V THD)	<=3% THD (Linear Load)			
	Efficiency (AC - AC)	>92%			
Inverter Overload Capacity	(5min @110%-125%; 1min @ > 150%)				
TRANSFER TIME	AC to DC	0 msec			
	Inverter to Bypass	<6 msec			
INTERFACE	Smart IOT (Optional)	SOFTWARE SUPPORTS - WINDOWS / MOBILE APP			
INDICATOR	LCD Parameters	Input Voltage, Output Voltage, Output Power, Battery Voltage and Temperature.			
	LCD Status	System Normal, DC High, Over Temperature, Battery Low, Over Load and Inverter FAULT			
AUDIBLE ALARM	LED Indication	Mains On /Charger On /Inverter On			
	Battery Mode	Beep every 60 seconds			
	Low Battery	Beep every second			
	Overload	Beep every 2 second			
	Fault	Continuously Beep			
	Bypass (Optional)	Static Bypass			
ENVIRONMENT	Protection	Advance Electronic Protection for device safety backed with MCBs Fast acting fuses, Highspeed pulse blanking, Electronic over voltage/under voltage			
	Operating Environment	0-45° C			
	Relative Humidity	0-95% (NON - CONDENSING)			
	Noise Level	<50dB @ 1 Meter			

## ONLINE UPS 3 PHASE



RATED CAPACITY		10 KVA	15 KVA	20 KVA	30 KVA	40 KVA
TECHNOLOGY		PWM with IGBT				
POWER RATING		8 KW	12 KW	16 KW	24 KW	32 KW
INPUT	Voltage	415VAC (Three Phase + N + E 4 wires)				
	Voltage Range	400V - 475V AC (Adjustable)				
	Frequency Range	46 - 54 Hz				
	Power Factor	>= 0.95				
BATTERY	DC Voltage	240 V	360 V			
	Backup Time	Depends upon Battery Capacity				
	Charging Current	2A - 10A (Adjustable)				
OUTPUT	Voltage	230V ± 1%				
	Frequency	46 - 54 Hz				
	Output Waveform	Pure Sine wave				
	Power Factor	0.8				
	Crest Factor	03:01				
	Harmonic Distortion (V THD)	<=3% THD (Linear Load)				
	Efficiency (AC - AC)	>90%				
Inverter Overload Capacity	(10min @110%-125%; 1min @ > 150%)					
TRANSFER TIME	AC to DC	0 msec				
	Inverter to Bypass	<6 msec				
INTERFACE	Smart RS-232/USB (Optional)	Software supports Windows Family, Linux, Sun Solaris, IBMAix, Compaq True64, SGI IRIX, FreeBSD, HP-UX and Mac				
	External Slot (Optional)	External Type of SNMP				
INDICATOR	LCD Parameters	Input Voltage, Output Voltage, Output Frequency, Output Current, Battery Voltage, Battery Charging & Discharging Backup Time, Warning and Fault Storage and Over Temperature				
	LCD Status	System Normal, Load on Bypass, Bypass Input Fail, Bypass Input Low, Bypass Input High, Output Low, Output High, DC High, Over Temperature, Battery Low, Overload and Inverter Over Current				
AUDIBLE ALARM	LED Indication	Mains On /Charger On /Inverter On				
	Battery Mode	Beep every 5 seconds				
	Low Battery	Beep every second				
	Overload	Beep every 2 second				
	Fault	Continuously Beep				
	Bypass (Optional)	Static Bypass				
ENVIRONMENT	Protection	Advance Electronic Protection for device safety backed with MCBs Fast acting fuses, Highspeed pulse blanking, Electronic over voltage/under voltage				
	Operating Environment	0-45° C				
	Relative Humidity	0-95% (NON - CONDENSING)				
	Noise Level	<50dB @ 1 Meter				

## SINE WAVE HOME UPS

We Know How Important Power is for Living in Today's World and We Also Know How to Deliver it Just Right Hello Ups Power Backup for Home Offer Dependent Uninterrupted Power Keeping You Comfortable and Consumed Always.

### Features:-

- Advanced Hybrid Controller based MOSFET PWM PURE SINE WAVE UPS.
- 15 KHz Switching Frequency helps your equipment's to run without any noise.
- Intelligent Charger for Smart Battery Management.
- Fast Change Over ensures compatibility with Computers (<15ms)
- Regulated Output voltage and Frequency for a smooth and quiet operation of AC Motor and Inductive load unlike the irritating noise that comes from Modified Sine Wave Systems
- Equipped with bypass switch to avoid any problem during UPS failure (1KVA and above)
- Smart Overload and short Circuit Protection with 5 times Auto Re-tries.
- SMART Front Panel LCD Display indicating all the status of UPS like AC Mains Input Voltage / AC Output Voltage / Load in Percentage / Battery Voltage / Flat or Tubular Battery Mode/UPS Mode ON or OFF/ Fuse Blown or MCB Trip over Temperature / Battery Low or Trip / Overload / Short Circuit
- Very High Performance at Very Low Cost.
- Easy monitoring of all the status of UPS through Graphical LED Display like Mains ON / Charging ON/ UPS ON/ Low Battery / Over Load
- Availability 1 Kva to 20 Kva



## MPPT SOLAR PCU

Hello HI-EN MPPT Based Solar PCU is designed using latest state-of-the-art Technology for Better Performance and High Reliability. The Solar Sinewave Technology used, enhances the life of the battery and minimum effort has to be put for maintenance. In a solar Hi-End MPPT Based PCU, battery charging is very important during the day. Solar PCU controls the core and selects the charging source accordingly. Comes with a user that selects the energy-saving option to allow the user to choose the priority and save the Bill.

### Features:-

- High Efficiency Hello Solar TRUE MPPT PCU are Based on DSP Technology.
- Pure DSP Sine Wave Technology.
- User Friendly Smart LCD Display.
- State of The Art & Advanced MPPT Technology Ensure 30% More Energy Generation Form Solar PV
- Advance Real Time Clock Technology Ensure Optimum Saving of Electronic Bill.
- Smart LCD Displays Total Solar Energy Generation (in KWH).
- Provision for Setting Critical Parameters of Solar Thru Smart Front Panel.
- Smart Logic Built in Software to Maintain Battery Gravity & Enhance Battery Life.
- Battery Types Support lithium ion ,Tubular, & SMF
- Remote Monitoring Thru WI-FI/LAN/GPRS (Optional Feature).
- Availability 1 Kva to 50 Kva

