



BRING  
**HOME**  
 HAPPINESS



*Green mode*



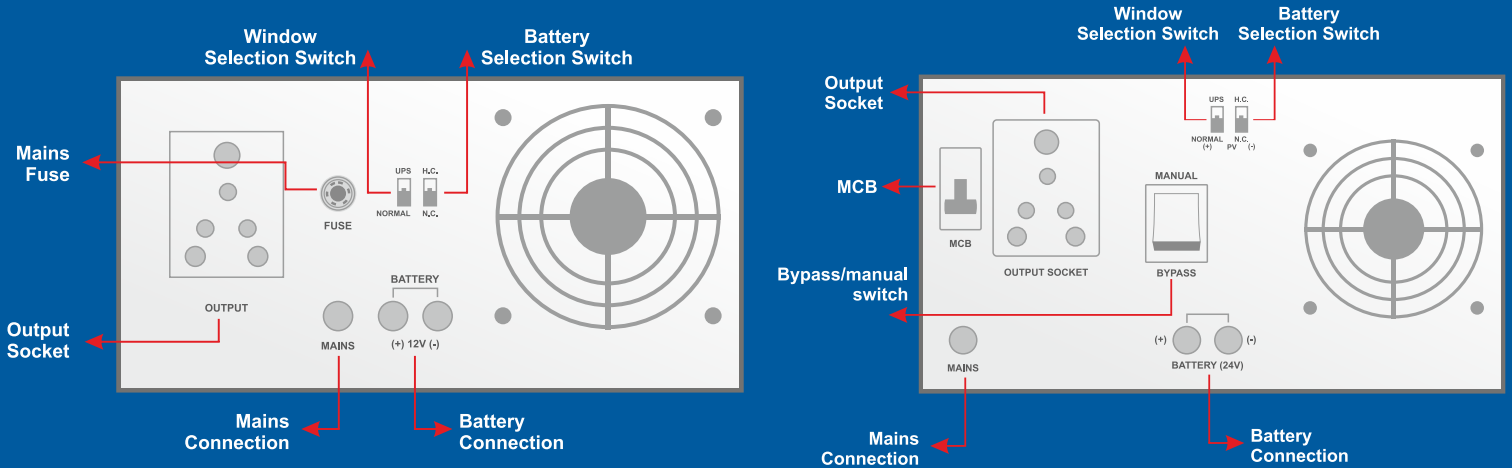
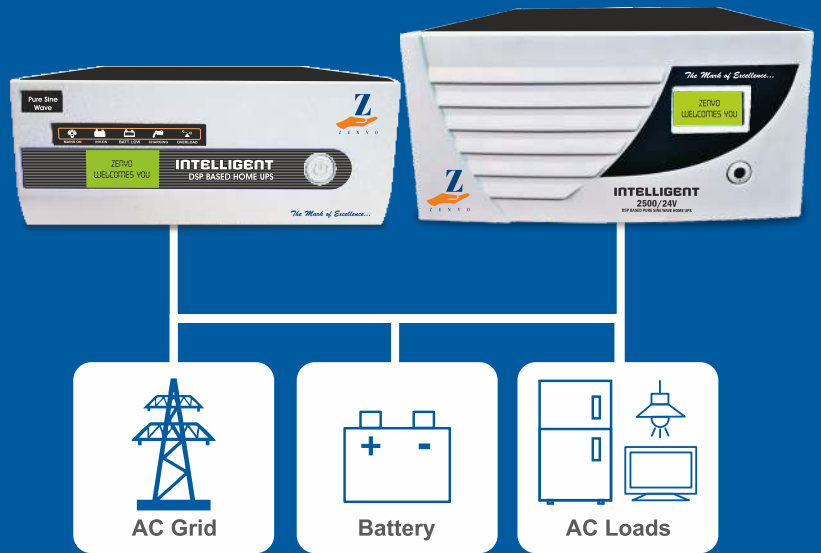
**INTELLIGENT**

PURE SINE WAVE HOME UPS WITH DSP TECHNOLOGY

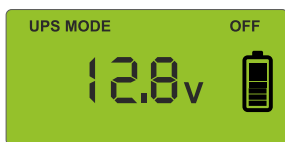
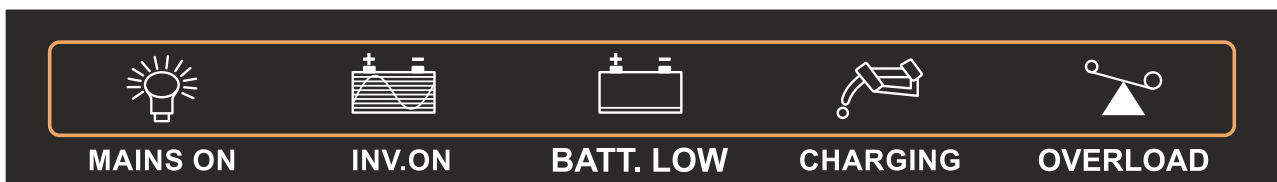
Available Models : 1050/1350-12V & 2000/2500-24V

# Typical Application

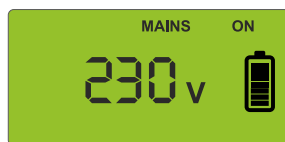
Zenovo's Intelligent UPS is smart, stylish and affordable sine wave UPS. It can run high intensive appliances very easily and it has other great features, Intelligent is best in its category. It is ideal for areas which have low voltage problems since it is designed to efficiently charge battery at low input voltage, as low as 90V.



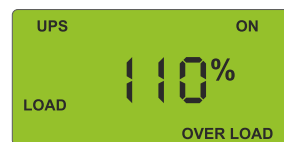
## Smart LED & LCD Indications



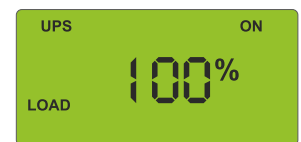
Battery Status



Mains Voltage



Over Load Protection



Load Percentage on battery

# Smart Features



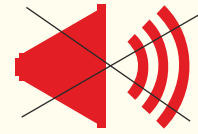
## Runs High Intensity Appliances

Switch to the high mode and you can use high intensity appliances such as Coffee maker, Iron, Grinder, Hair dryer and etc during power cuts



## Highly Efficient Battery Charger

Reduce **upto 50%** electricity bill



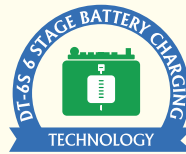
## Noiseless Operation

Pure Sine Wave Technology that ensures noiseless operation in all the appliances



## Compatible with Generators

Wide window of frequency range between 42-65Hz makes Intelligent totally compatible with local generators



## DT - 6S Stage Battery Charging Technology

6 Stage Charging Battery Technology gives you highest battery charging efficiency in the industry which increases battery life by 30%



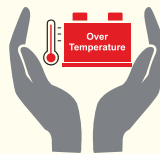
## Turbo Charging

Turbo charge mode, not only charges faster but also provides reliable power backup



## Reverse Phase Protection

Protect your system against the bad reverse current



## Over Temperature Protection

Ensures healthy charging & longer battery life that provides current and voltage as per the requirement of battery and surrounding temperature



## Normal/UPS Selectable Switch

Applicable for home appliances and sensitive appliances as well

# Intelligent Low Voltage Operation<sup>\*</sup>



Voltage	Current (Any Other Inverter)	Current (Intelligent)
230	13.2A	15A
200	13A	15A
140	11A	14A
130	7.6A	13A
120	6.5A	12A
110	3A	11A
<b>90</b>	<b>0A</b>	<b>5A</b>
85	Inverter Mode	Inverter Mode

<sup>\*</sup>Available Only in 12V Series.

# TECHNICAL SPECIFICATION

Parameter	Unit	Rating			
		1050/12	1350/12	2000/24	2500/24
Model name (Intelligent)		1050/12	1350/12	2000/24	2500/24
System rating (Name Plate)	VA	850	1050	1450	2000
Resistive Load	W	680	840	1160	1600
Full Load Input Current ±2A	Amp	53	62	46	62
Type of Control		PWM			
Nominal Output voltage in inverter mode	Vac	220V ± 7V			
Output supply phases		single			
Nominal Output Frequency of Inverter	Hz	50 ± 1			
Output voltage regulation	%	180-220			
Output THD (v) at linear load	%	<5%			
Crest Factor		03:01			
Overload capacity 125%	Sec	6 (6 Retry)			
Overload capacity 150%	Sec	2 (6 Retry)			
Peak efficiency of inverter	%	82	82	84	84
Battery low voltage alarm per battery	Vdc	10.8 ± 0.1			
Battery low voltage cut per battery	Vdc	10.5 ± 0.1 (With 4 Retry)			
Max Battery charging voltage by grid per battery	Vdc	14.4 ± 0.1 13.8 ± 0.1			
Max Battery charging current by grid in Hi/Lo option	Adc	16/12 ± 2A			
Battery High cut with Alarm per battery	Vdc	14.8 ± 0.1			
Battery High cut Recovery per battery	Vdc	14.3 ± 0.1			
Grid low cut voltage (IT load/Normal load)	Vac	180/100 ± 10			
Grid low cut voltage recovery (IT load/Normal load)	Vac	190/110 ± 10			
Grid high cut voltage (IT load/Normal load)	Vac	265/280 ± 10			
Grid high cut voltage recovery (IT load/Normal load)	Vac	255/270 ± 10			
Selection of UPS Load/Normal Load		yes			
Output Voltage at No load at rated Battery voltage	Vac	220			
Output Voltage at 100% load at Nominal Battery voltage	Vac	208	208	203	203
Input current at no load at Nominal Battery voltage	Adc	2.2	2.6	2.5	2.2
Noise @ 1 meter	dB	<50			
Protections		Overload, Battery Deep discharge, Battery Overcharge, Short circuit(1 retry), Battery High, Over Temp, Fuse Trip, Battery Reverse			
LCD Display Parameters		Battery voltage, Mains voltage, UPS ON/OFF, UPS Mode, Load percentage, Overload, Short circuit, Fault, Battery low, Over Temp, Fuse trip, (Customized LCD)			
Indication LEDs		Mains on, Charging, Battery Low, Overload, Short circuit			NA
Operating Temperature range	°C	0-50			
Storage Temperature range	°C	0+65			
Max RH	%	95			
Front panel details ( MCB, Display, Selection switch etc)		Display with Push button switch			
Rear panel details (MCB, Terminals etc)		O/P socket, Fuse/Circuit breaker, Mains & Battery Cable and Fan			
Enclosure protection		20			
Changeover time from inverter to mains in UPS mode	ms	<10			
Changeover time from inverter to mains in Normal mode	ms	<10			
Changeover time from mains to inverter in UPS mode	ms	<10			
Changeover time from mains to inverter in Normal mode	ms	<40			
Battery connection		Thru Copper cable 10 sqmm and 1mtr red 0.7mtr black	Thru Copper cable 16 sqmm and 1mtr red 0.7mtr black length	Thru Copper cable 10 sqmm and 1.25mtr red 1mtr black length	Thru Copper cable 16 sqmm and 1.25mtr red 1mtr black length
Mains connection		3 core copper cable size 0.75sqmm, 1 .5mtr length with TOP			3 core copper cable size 1.5sqmm, 1 .5mtr length with TOP
Output		3pin socket 16A			
Fuse in battery path		Internal Fuse	External Fuse	Internal Fuse	External Fuse
Grid Bypass Switch		NO			
Input Protection		Through Glass Fuse			

## Odin System Pvt. Ltd.

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