



TRUE ONLINE UPS SYSTEM

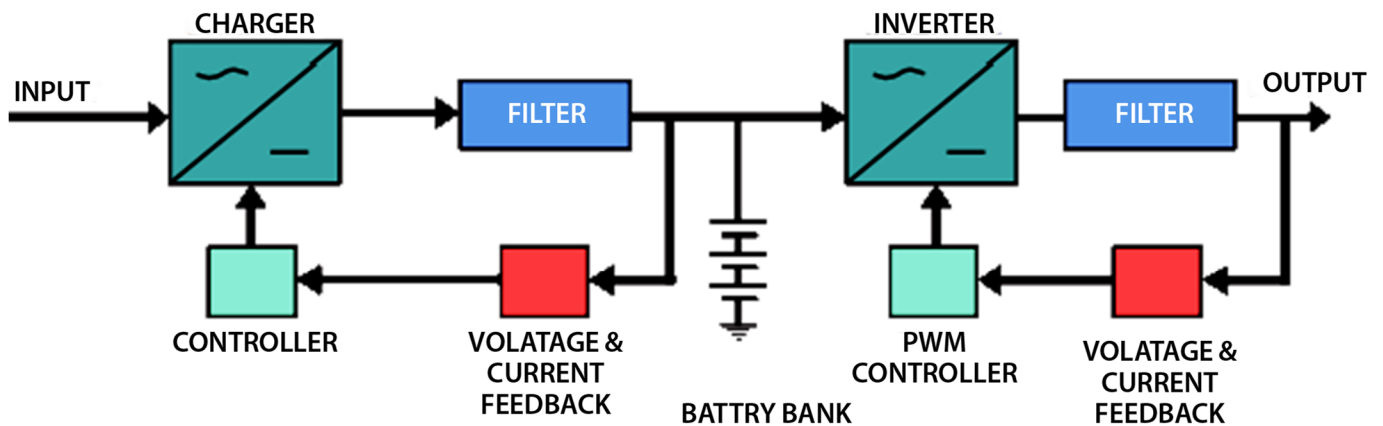
FEATURES:

- DSP Controller IGBT Based
- High Frequency Switching APWM Technology
- High Efficiency
- High Surge Current
- In-built Isolation Transformer
- Long Backup Charger
- Withstanding Capacity
- Fast Transient Recovery

APPLICATIONS:

- Computers
- Medical Equipments
- Boiler Control Panels
- Video Graphics
- Process Control Systems





The **UNITECH** UPS System comprises of a DSP Controller based IGBT charger with Controlled rectifier which charges the batteries at constant current and constant voltage, irrespective of the input voltage conditions, resulting in a longer life of the batteries.

DSP Controller based **INVERTER** with 'IGBT' (Insulated Gate Bipolar transistor) Switching at 10 to 20 KHz results in a higher output efficiency of about 90 to 95%. Thus for the same AH Capacity of the battery, you get a long backup time.



TECHNICAL SPECIFICATIONS					
1 KVA - 60 KVA ONLINE UPS SYSTEM					
Rated Power		1, 2, 3, 5, 7.5 KVA	5,7.5 KVA	10,15,20,25KVA	45,60 KVA
CHARGER	Switching	IGBT & DIODE MoDULES			
	Input Voltage	230 VAC +/- 20%	415 VAC +/- 20%		
	Frequency	47-53 Hz			
	Power Factor	> 0.95.			
INVERTER	Switching	IGBT			
	Voltage	230 V AC +/- 1%			415VAC +/-
	Frequency	50 +/- 1%			
	Wave form	Pure Sine wave			
	Distortion	Less than 3%			
	Power Factor	0.8			
	TransientRespons	3% Variation for 100% Load change			
	Inverter	> 92 %			
	Overall	> 88 % (AC to AC)			
	Crest Factor	3:1			
DC	Voltage	72 / 120 / 144 VDC	192 / 240 VDC	240/300/360 VDC	360 VDC
	Ripple	2 %			
GENERAL	Protections		LCD Monitoring	LCD Display For	
	Electronic Shut Down	Fuse Protections			
	• Output Overload Trip • Output Over Voltage • Output Under Voltage	• MCB for I/P Overload • Fuse for Inverter • Fuse for Battery • Fuse for Output	• Input Voltage • Output Voltage • Output Frequency • Output Power	• Inverter ON/OFF • Battery Low Trip • Battery Low Alarm • Overload • O/P - OV-UV	
	Nature of Cooling	Forced Air Cooling			
	Operating Temperature	0-50°C, 75% RH			
	Noise Level	< 40 db			

Specifications may change without prior notice

Size (mm)	1 KVA	2 KVA	3 KVA	5 KVA	7.5 KVA	10 KVA	15 KVA
W	175	195	195	315	315	315	350
H	460	525	525	700	700	700	770
D	430	600	600	640	640	640	690

Marketed By:

UNITECH POWER SYSTEMS PVT. LTD.

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Manufactured By:

**SATELLITE ELECTRONICS & CONTROLS
AHMEDABAD**

