



An ISO 9001 - 2008 Company

# APT UPS

## (1-80 KVA)

### ISOLATION TRANSFORMER FOR GROUNDING PROBLEMS

All ABP UPS models incorporate Isolation Transformer at the output of the UPS to attenuate problems arising out of poor input grounding and leakage voltage in neutral.



### APPLICATION

**Today, the Company focuses its efforts on following key application areas:**

- Home Office
- Business Networks
- Access Provider Networks
- Data Centers and Facilities
- Medical Industries
- Banking, Insurance & Financial Services
- Satellite Uplinking and Earth Stations.



# Technical Specifications

## 1-80 KVA

1.	Technology	:	Intelligent UPS using IGBT, PWM Technology, Double Conversion
2.	Switching Frequency	:	High Frequency Design ensures: <ul style="list-style-type: none"><li>• Low Switching Losses</li><li>• Purity of Sine-Wave</li><li>• Ultra-fast Transients Response</li><li>• Very Low Noise</li></ul>
3.	Wide Input Range	:	340V-450V AC (Three Phase) / 170V-270V AC (Single Phase)
4.	Accurate Output	:	415VAC+ 1% (three Phase) <ul style="list-style-type: none"><li>• 230VAC+ 1% (single Phase)</li><li>• 50 Hz +/- 0.1% (Crystal Controlled)</li></ul>
6.	Output Power Factor	:	0.8 lagging to unity
7.	Transient Response	:	For 100% step load change output should be within +/- 5% and should recover within 5msecs. I.e. ¼th cycle.
	Crest Factor	:	• 3: 1
8.	LCD Display On front panel	:	Output Voltage <ul style="list-style-type: none"><li>• Input Voltage</li><li>• Output Current</li><li>• Battery Voltage</li><li>• Output Frequency</li><li>• Input Frequency</li></ul>
9.	Wave Form	:	Pure Sine Wave
10.	Operating Temperature Relative Humidity	:	0 to 50 °C, 95% R.H. (Maximum)
11.	Inverter Efficiency	:	Better than 90%
12.	Total Harmonic Distortion	:	Less Than 2%
13.	Genset Compatibility	:	UPS System should be fully Compatible to any type of Genset
14.	Protections	:	Output Over-Voltage <ul style="list-style-type: none"><li>• Output Overload</li><li>• Output Short Circuit</li><li>• Battery Under-Voltage</li><li>• Forced Air-cooling to protect electronic &amp; other components from overheating</li></ul>
15.	Indications	:	Mains / Charger ON <ul style="list-style-type: none"><li>• Inverter ON</li><li>• System Over-load</li><li>• Battery Under-Voltage</li><li>• Output Under/Over Voltage</li></ul>
16.	Alarms	:	Mains Fail (Musical Alarm) <ul style="list-style-type: none"><li>• Battery Low Warning (Musical Alarm)</li></ul>
17.	Low Noise	:	Less than or Equal to 45 Db (A) (Standard) at 1.0 mtr.
18.	Isolation	:	Isolation transformer at output

\* Specification are subjected to change without prior notice.



**ABP POWER SOLUTIONS PVT. LTD.**

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