



Power Solutions

# Line Interactive UPS



## LINE INTERACTIVE UPS

Line Interactive UPS with AVR and PWM technology for computers suitable for single phase AC input voltage range 160V to 280V,  $50 \pm 3$  Hz and single phase AC output voltage  $230V \pm 9\%$ ,  $50 \pm 0.5$  Hz in AC mode. It shall be housed in rugged enclosure made of M.S. sheet of 1 mm (minimum) thick aesthetically finished, duly pretreated and powder coated or ABS body.

## TECHNICAL SPECIFICATIONS

Item	Line Interactive UPS							
Rating	600 VA	800 VA	800 VA	800 VA	1000 VA	1000 VA	1000 VA	2000 VA
Model	PP-06-1	PP-08-1	PP-08-2	PP-08-3	PP-10-1	PP-10-2	PP-10-3	2KLI
General	UPS shall be free from workmanship defects, sharp edges, nicks, scratches, burs, etc. All fasteners shall be fixed properly. The equipment shall be complete with all parts and all parts shall be functional.							
Enclosures	Enclosures shall conform to protection requirement of IP 21 to IS/IEC : 60947-1/2007							
Switching Device	MOSFET-PWM							
Switching Frequency	>50 Hz							
Switching Over Time	4-8 ms (from AC mains to UPS mode on power failure)							
Input	160 to 280V, 45-65 Hz, Single Phase AC							
Output	<ul style="list-style-type: none"> <li>AVR output voltage in AC mode: 230 Volts <math>\pm</math> 9%, 50 <math>\pm</math> 3 Hz.</li> <li>UPS output voltage in battery mode : 230 Volts <math>\pm</math> 10%, 50 <math>\pm</math> 0.5 Hz at Load power factor of not less than 0.6 lag.</li> </ul>							
Output Voltage Distortion	< $\pm$ 5% at full load							
Crest Factor	3 : 1							
Waveform Type	Quasi Sine wave/Pure Sine wave							
Efficiency	80%							
Output Voltage Regulation	Total variation of voltage from no load to full load shall not exceed 10% and at no point the output voltage should go beyond the permissible and of 230 Volts $\pm$ 9%							
Overload	UPS shall withstand 10% overload for at least 10 minutes in mains mode							
Environmental	<ul style="list-style-type: none"> <li>Operating Temperature : 0 to 40° C</li> <li>Humidity :95% non –Condensing at 40°C</li> </ul>							
Protections	<ul style="list-style-type: none"> <li>If input voltage goes outside the range 160 to 280 Volts, the system shall switch over to battery mode.</li> <li>Over voltage, short circuit and overload protection at UPS output terminals.</li> <li>Protection against over discharge : The load shall cut-offs as soon as voltage of battery terminals falls below 10.5 V for 12 V and 21 V for 24 V battery system.</li> </ul>							
Alarms	<ul style="list-style-type: none"> <li>On Battery</li> <li>Low Battery</li> <li>Overload</li> </ul>							
LED/LCD display	<ul style="list-style-type: none"> <li>Online</li> <li>On Battery</li> </ul>							
Indicators and meters	<ul style="list-style-type: none"> <li>Mains Mode</li> <li>UPS Mode</li> <li>Battery Low</li> </ul>							
Battery Bank	12 Volts SMF/(VRLA) Exide/Amararaja/Rocket/Panasonic or as per JISC : 8702/1998							
Cold Start Facility	Provided							
Recharge Time	6-8 hrs upto 90% after full discharge							
Communication	RS-232, USB (Optional)							
Approvals & Certifications	<ul style="list-style-type: none"> <li>CE Compliant</li> <li>ISO 9001</li> <li>ISO 14001</li> <li>ISO 45001</li> <li>BIS Certificate</li> </ul>							

\*In the interest of continuous product improvement, all specifications are subject to change without notice.

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