

Power Solutions

Ensuring Seamless Growth



— 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 ± 3 Hz and single phase AC output voltage 230V +/-9%, 50+/-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	500 VA, 650 VA, 800 VA, 1000 VA, 1500 VA & 2000 VA
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 IP21 to IS/IEC: 60947-1/2007.
Switching Device	MOSFET or IGBT
Switching Frequency	> 50 Hz
Switching Over Time	10 mS (from AC mains to UPS mode on power failure)
Input	160 to 280V, 50 +/- 3 Hz, Single Phase AC
Output	<ul style="list-style-type: none">• AVR output voltage in AC mode: 230 Volts +/- 9%, 50 +/- 3 Hz.• UPS output voltage in battery mode: 230 Volts +/-10%, 50 +/-0.5 Hz at Load power factor of not less than 0.6 lag.
THD (Total Harmonics Distortion)	40% maximum (in DC mode)
Inverter Efficiency	70 % (at rated output voltage and frequency)
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 +/-9%.
Overload	UPS shall withstand 10% overload for at least 10 minutes in mains mode
Protections	<ul style="list-style-type: none">• If Input voltage goes outside the range 160 to 280 Volts, the system shall switch over to battery mode.• Over voltage, short circuit and overload protection at UPS output terminals.• Protection against over discharge: The load shall cut-off as soon as voltage of battery terminals falls below 10.5 V for 12 V and 21 V for 24 V battery system.
Indicators and meters	<ul style="list-style-type: none">• Mains Mode• UPS Mode• Battery Low
Battery Bank	12 Volts SMF/ (VRLA) Exide/Amararaja/Rocket/Panasonic or as per JISC: 8707/1992 or JISC: 8702/1998.

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

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