

3 ϕ input 1 ϕ output online UPS

MAXX True online UPS system consist of double conversion technology with 3 phase input and single phase output. Having Wide input voltage range with Zero transfer time the unit comes with Protection against all types of power problems. Equipped with Maintenance Bypass Switch, Smart RS232 and Intelligent slot interface with facility for Sealed lead-acid, maintenance free battery connections and external Charger facility.

The best charger design to recharge low battery as quickly as possible with out damaging batteries in 2 amp up to 8 amp. 240 - 360 VDC allowing 90% recharge in as little as 10 Hours after a total drain.



SIMPLIFIED BOARD SEPARATION :

Dependent on the Units all operation are separated into 5 pcb boards allowing quick respond to damages and provides our valued dealers with simplified inventory and faster service to the end users.

STATIC BYPASS :

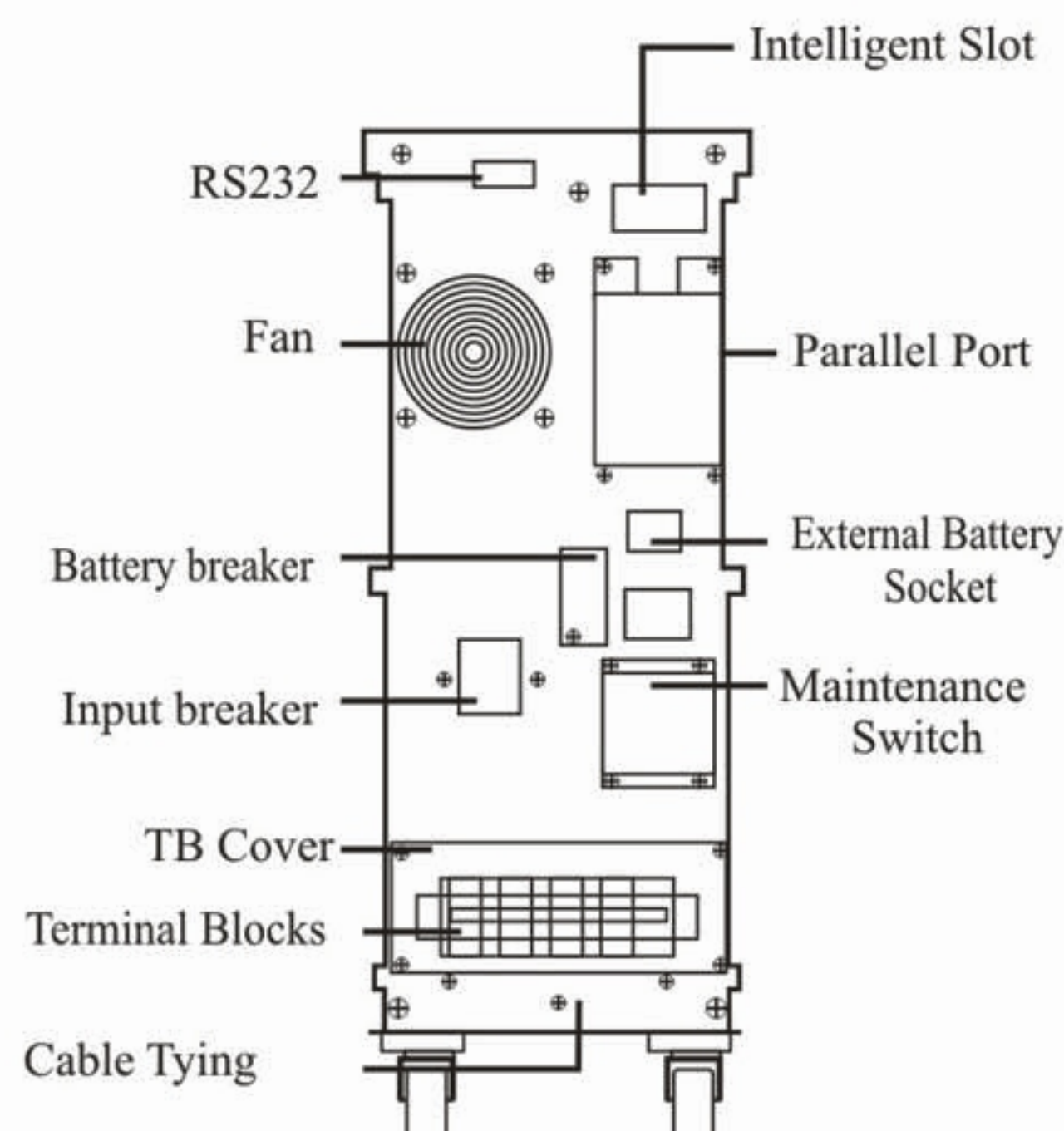
Automatic static Bypass and manual Bypass provide a loop to repair UPS with out having to disconnect loads ideal for non stop computing for critical applications.

SINE-WAVE OUTPUT :

True sine-wave output with a 3% THD on batteries. This feature provides dependable and compatible power for your most critical applications. True double conversion technology with zero transfer time: This advance design provides the closest you can get to Pure constant power in the industry

HIGH FREQUENCY SWITCHING.

High frequency switching of 20-40KHz leads to high efficiency, low noise, and faster transient response. Pure sinewave output is generated with a total harmonic distortion of less than 3%. Faster switching leads to high regulation of less than 5% from no load to full load on a non-linear load.



Technology	Double conversion Online - PWM
INPUT	
Input type	Three phase and one neutral
Input voltage	340V – 460V
Input frequency	50 Hz \pm 5%.
Input Inrush Surge	Soft start protected (30 sec.)
Input current Distortion	< 7 %
Input power factor	0.8 - Unity
OUTPUT	
Output Voltage	230 V
Output Voltage regulation	\pm 0.5 %
Output frequency	50 Hz
Frequency regulation	\pm 0.5%
Output power factor	0.8 Lagging
Power load rating test	110% for 10 minutes
Power load tripping test	115 % instantaneous
Output waveform	Pure sinewave
Overall efficiency	85%
Inverter efficiency	93%
Charger efficiency	90 % from 50 % discharge
Crest Factor	4 : 1
INVERTER	
Power Device	IGBTs - MOSFET
Switching frequency	20 – 40 Khz at any capacity
Input Voltage	240V – 480V DC
Output regulation	0.5 %
Total Harmonic Distortion	< 3 %
Transient Response	Less than \pm 4 %
CHARGER	
Input voltage	230 V from any available phase
Charger output	240V – 480 V
Float operation	Adjustable 2.15 to 2.25 Volts / Cell
Boost operation	Adjustable 2.25 to 2.31 Volts / Cell
Charger Current	Max 10 % of rated AH of Batteries
Battery Protection.	Short Circuit / Reverse polarity
	Under / Over Charge
PROTECTIONS	
	Output Under/over voltage
	Output Overload
	Output short circuit
Environment	
Ambient Temperature	0- 50'C
Operating Humidity	95 % non condensing
Cooling	Forced Air-cooling.
Specifications can change without notice	