Advanced Multi Plus

10-20kVA

Three-phase or Single-phase input
Single-phase output

Uninterruptible Power Supply

Main Features

- On-line double conversion
- Static and manual bypass
- Output power factor 0.9
- ZERO impact on source supply
- Input power factor >0.99
- Input current THDI ≤3%
- Parallel/redundant operation
- LCD screen
- Superior battery management
- 50 or 60Hz operation
- Wide input voltage range
- Programmable output
- Various battery options
- SNMP communication options
- Free software

ECONOMY MODE
increases efficiency to 98%

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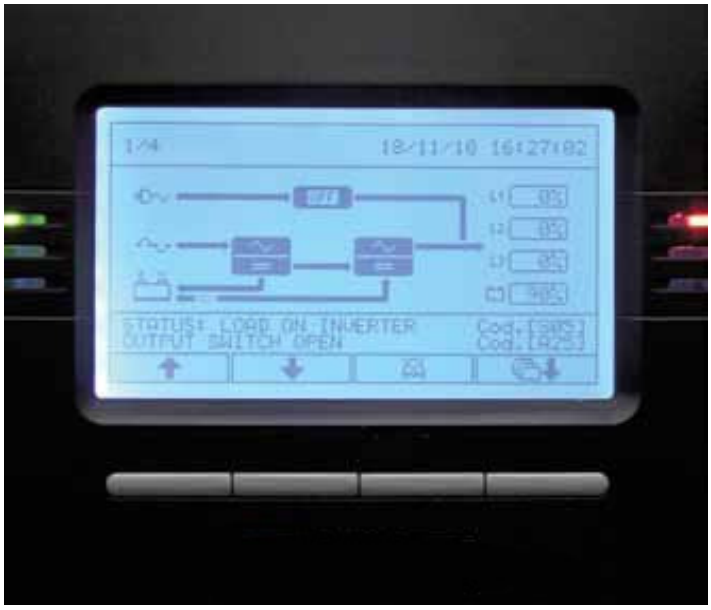
SPECIFICATIONS

MODEL	AMP 10 - 31	AMP 12 - 31	AMP 15 - 31	AMP 20 - 31
Rated Power (kVA)	10	12	15	20
Power (kW)	9	10.8	13.5	18
INPUT				
Nominal voltage	380-400-415 Vac three-phase + N / 220-230-240 single-phase			
Nominal frequency	50 or 60 Hz			
Power factor	>0.99			
Current distortion	THDI ≤3%			
BYPASS				
Voltage tolerance	180 – 264 Vac (selectable)			
Frequency tolerance	Selected frequency ±5%			
Overload times	125% for 60 minutes, 150% for 10 minutes			
OUTPUT				
Nominal voltage	220 - 230 - 240 Vac selectable			
Voltage distortion	< 1% with linear load / < 3% with non-linear load			
Frequency	50 or 60 Hz			
Static variation	± 1%			
Dynamic variation	± 3%			
Waveform	Sinusoidal			
Crest factor	3:1			
BATTERIES				
Type	Sealed lead acid			
Charging time	6 hours			
OTHER FEATURES				
Weight (kg)	80/105(X)	82/110(X)	90/115(X)	95/120(X)
Dimensions (HxWxD)	930 x 320 x 840mm 1320 x 440 x 850mm (X)			
Communication	USB / RS232 / Slot for communications interface			
Regulations	Directive EMC 2004/108/CE Electromagnetic Compatibility Directive Standards: Safety IEC EN 62040-1; EMC IEC EN 62040-2 C2 Classification according to IEC 62040-3 VFI – SS - 111			
Ambient temperature	0°C / +40°C			
Relative humidity	90% non-condensing			
Colour	Dark grey RAL 7016			
Noise level	< 52 dBA at 1m			

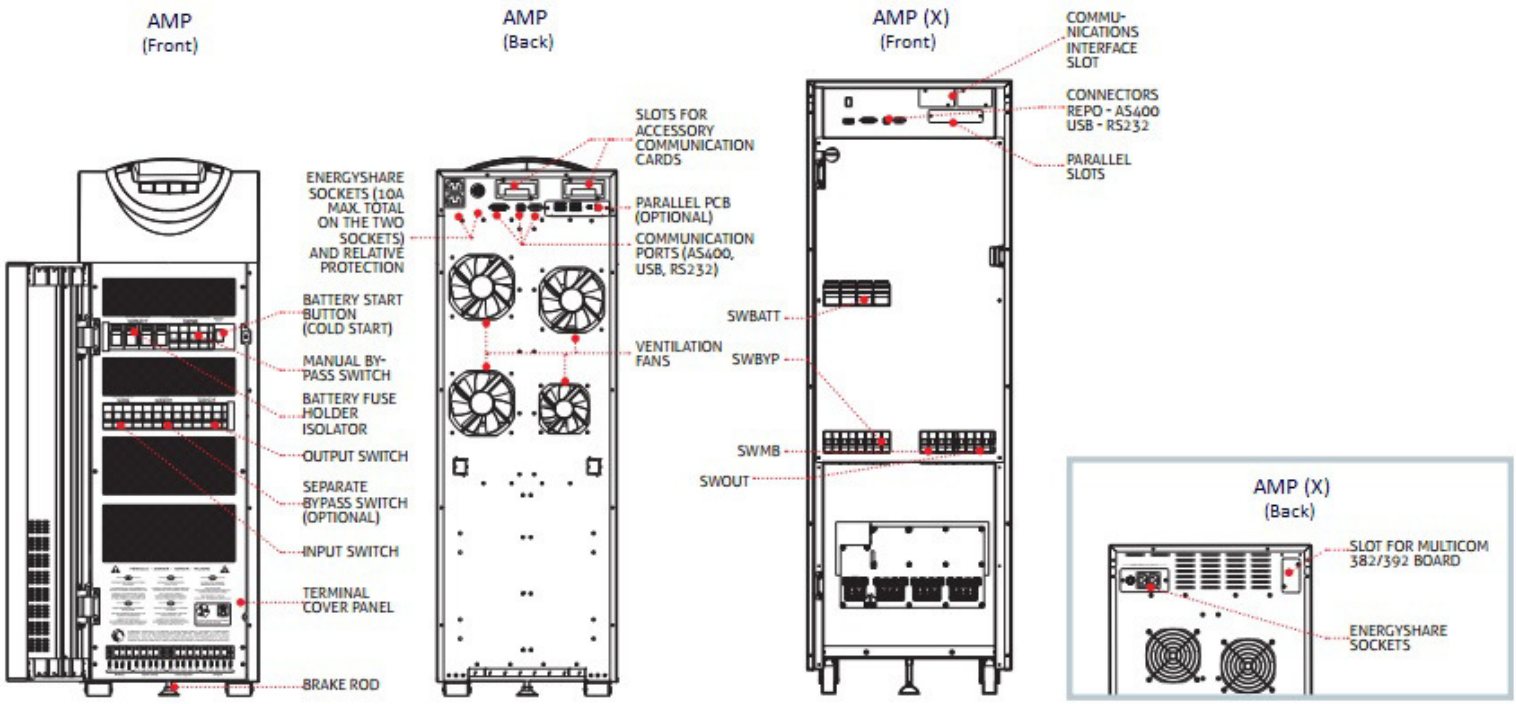
Specifications subject to change prior to notice

Optional Extras

- SNMP Network Interface Card
- Relay Card (Volt-free contacts)
- Parallel Redundant Operation
- Separate Bypass Input Supply
- Galvanic Isolation Transformers
- External Manual Bypass Switch
- Extended Battery Back-Up Times
- Service and Maintenance Plans



ON-LINE	The inverter is on-line at all times to ensure the load is fully protected.
ECONOMY	The load is powered from the bypass. If the mains deviate outside tolerance, the load is transferred to inverter. When the mains return within tolerance, the load is re-transferred to bypass.
SMART ACTIVE	The UPS decides whether to operate in economy or on-line mode depending upon the quality of the mains supply.
STANDBY-OFF	The load is not powered until a mains failure occurs, at which time the load is powered by the inverter using battery power.



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