

AC/DC[®] UPS

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UPSon 31M Series Uninterruptible Power Supplies True Online 3 Phase Input - 1 Phase Output



CE

7,5 kVA - 30 kVA

- Cold Start
- LED Display
- RFI Output Filter
- Sine Wave and True Online
- Manual By-Pass From Front Panel
- Driving Capability Non-Linear Loads
- Internal Output Insulation Transformer
- High Frequency Switching IGBT Technology
- Uninterrupted Maintenance By-Pass Capability
- Access to UPS Informations Via Internet (Optional)
- LCD Display For Measure, Status and Alarm Messages
- Audial Alarm / Automatic and Manual Battery Test System
- High Reliability With Microprocessor and Intelligent Driver
- Intelligent Communication (RS232) and SNMP / HTTP Support

TÜV
AUSTRIA
HELLAS
EN ISO 9001:2008

Your Positive Energy Source...

MODEL	3107	3110	3115	3120
Power (kVA)	7,5	10	15	20
Power (kWatt)	5,25	7	10,5	14
INPUT-RECTIFIER				
Input Voltage	380 VAC			
Input Voltage Range	+ % 15			
Input Frequency	50 Hz			
Input Frequency Tolerance	+ % 5			
Input Power Factor	> 0,8			
OUTPUT-INVERTOR & By-Pass				
Output Power Factor	0,7			
Output Voltage	220 VAC			
Output Voltage Regulation	+ % 1			
Output Frequency	50 Hz			
Frequency Resolution	+ % 0,1 (from battery) ; + % 1 (from line)			
Voltage Fluctuation Shape	True Sine			
Total Harmonic Distortion	< % 3 (no-load to full load)			
Cold Start	Available			
Invertor Efficiency	> % 92			
Total Efficiency	% 85 - % 87			
Crest Factor	3: 1			
Transfer Time (Line Failure)	0 ms.			
BATTERY				
Type	Maintenance-Free dry type battery, built-in, Extra optional cabin			
Battery No	26 pcs			
DC Voltage	312 VDC			
Battery Test	Automatic and Manual Battery Test System			
Battery Charge Time	10 hours of up To 90% capacity charge time After deep di scharge. Extra chargers for longer charge times (Optional)			
DISPLAY				
Type	Touch Screen, LCD Panel			
LCD Display	Input/Output/Battery Voltage, Invertor Frequency, Battery Percentage, Load Percentage, Maximum Load Percentage, Synchroni Sation and Alarms			
LED Display	Load at By-Pass ; Load at UPS ; LED's For Alarm and Operation From Battery			
PROTECTIONS				
Short Circuit	a) Inverter Mode: UPS shuts down and breaks down the circuit. b)By-Pass Mode: AC Protection blows out fuse.			
Over Heat	a) If line is normal Ups Passes By-Pass mode. b)If line is abnormal : Alarm beeps ; failure LED is on ; UPS cuts the output			
Low Battery Level	Alarm beep still the batteries are over			
ALARMS & WARNINGS				
Audial & Visual	By-Pass / Line failure, load at By-Pass, Overload, no line, no input, Output Voltage High / Low, Over heat, Battery voltage high / Low, short circuit (buzzer can be off)			
COMPUTER INTERFACE				
Control & Monitoring	Dry Contact Information, RS232 Serial Port (Megatec Protocol), Pernote Monitoring Panel, SNMP (Optional)			
Dry Contact Information	Output at UPS / By-Pass, Operation From Battery / Line, Battery Low / Normal			
HTTP/SNMP Compalibility	Windows 95/98/NT/2000/XP, Novell, Netware, Linux, OS/2, Netlite, MS-DOS, HP-UX, SUN OS, UNIX, (With Software CD and cable)			
GENERAL				
Noise Level	< 55 dB (1 m)			
Topology	Hi Frequency IGBT, PWM, True Online, High Reliability With Microprocessor and Intelligent Driver			
Operation Temperature	0 C + 40 C			
Storage Temperature	-15 C + 40 C			
Humidity	max 90 % (not condensated)			
Cooling	Forced Cooling by blower			
Dimensions WxHxD (mm)	265 x 740 x830			
Net Weight (kg)	~ 95 kg	~ 100 kg	~ 115 kg	~ 130 kg

