

AC/DC[®] UPS

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UPSon Sinus Series Uninterruptible Power Supplies True Online 1 Phase Input - 1 Phase Output



5 - 6 - 10 kVA

CE

- Static By-Pass
- Digital (LCD) Panel
- Input Power Factor 0,99
- Deep Discharge Protection
- Sine Wave and True Online
- RS-232 Communication Output
- Standart Display and Control Software
- Intelligent Heat Controlled Blower Sytem
- It Cuts the Output in Case of Short Circuit
- Wide Input Voltage Range (160-280 VAC)
- Maintenance Free Dry Type Battery Group
- Microprocessing Controlled , IGBT Topology
- Four Different Operation Mode (Normal , ECO , CF50 ve CF60)
- Line Failure , Battery Low , Transfer to By-Pass ,System Failure Alarm(Audial & Visual)

TÜV
AUSTRIA
HELLAS
EN ISO 9001:2008

Your Positive Energy Source...

AC/DC[®] UPS UPSon Sinus Series - 5 - 6 - 10 kVA

Uninterruptible Power Supply Technical Specifications

MODEL	UPSon Sinus 1005	UPSon Sinus 1006	UPSon Sinus 1010
Power (kVA)	5 kVA	6 kVA	10 kVA
Power (kWatt)	3,5 kWatt	4,2 kWatt	7 kWatt
INPUT-RECTIFIER			
Input Voltage	220 / 230 VAC		
Minumum Input Voltage	160 VAC (half load) - 180 VAC (full load)		
Maximum Input Voltage	280 VAC		
Input Frequency	45 Hz ~ 65 Hz		
Input Power Factor	> 0,99 (Full Load)		
OUTPUT-INVERTOR & By-Pass			
Output Power Factor	0,7		
Output Voltage	220 / 230 VAC (adjustable)		
Output Voltage Tolerance	± % 1		
Output Frequency	50 / 60 Hz (adjustable)		
Frequence Resolution	± % 0,2 Hz. (free mode)		
Voltage Fluctuation Shape	True Sine		
Total Harmonic Distortion	< %3 (at % 100 Linear load) ; < %5 (at non Linear load)		
Cold Start	Available		
Total Efficiency / Eco Mode Efficiency	% 90 / % 97		
Crest Factor	3:1		
Transfer Time (Line Failure)	0 ms		
BATTERY			
Type	Maintenance-Free dry type battery, built-in , Extra Optional cabin		
Battery No	20 pcs Within apparel	20 pcs Within extra cabin	
Battery Back-up time	~ 5 ~ 10 minutes		
DC Voltage	240 VDC		
Battery Charge Time	4-6 hours of up to 90% capacity charge time after deep discharge. Extra chargers for longer charge times (Optional)		
DISPLAY			
Type	Touch Screen , LCD Panel + LED Panel		
LED on Status + LCD	Line Mode , Back-up Mode , ECO Mode ,By-Pass Mode , Battery Low-High / not connected , Over Load , Transfer Break ,UPS failure		
LCD Screen	Input Voltage , Input frequence , Output Voltage ,Output frequency , Load percentage , Battery Voltage and Inner heat		
Self-Diagnostics	Power On , Front Panel adjustment and Software Control,24 hours of routine controls		
PROTECTIONS			
Over Loading Capacity	at %110 ~ 125 load Without By-Pass 2 min ; at %125 ~ 150 load Without By-Pass 5 sec ; > %150 load By-Pass		
Short Circuit	Acts like ideal Current source in short circuit period.		
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 beeps till the batteries are over		
Over Load Protection	By-Pass transition time is calculated by heat transfer of simulated equivalent fuse		
Other protections	Overheat , Over Voltage , Over Current , battery deep discharge protection		
ALARMS & WARNINGS			
Audial & Visual	LED is on,Sound Alert is on when Line error,Low battery,By-Pass operation,UPS error status,over load occur		
COMMUNICATION			
Computer Interface	Standart RS232 (Optional RS485)		
Protocol	Megatec Protocol (Optional)		
SNMP Compatibility	SNMP Card compatible. (Optional)		
Operating System Comptability	MS-Windows 95/98/NT/2000/XP , Novell, Netware, Linux, OS/2, Netlite, MS-DOS, HP-UX, AIX, SUN OS, XENIX, UNIX (Software CD and Cable)		
GENERAL			
Noise level	< 50dB (1 m)		
Topology	Hi Frequency PWM, IGBT, Online Double Conversion Tech, True Digital Signal Processor (DSP) controlled, smart Battery (long lifespan Battery usage)		
Operation Temperature/ Humidity	0° C ~ 40° C, max 90 % (not condensated)		
Dimensions W x H x D (mm)	176 x 440 x 680	135 x 450 x 685	
Net weight (kg)	~ 55 kg	~ 122 kg	
STANDARTS			
Safety (EN50091-1) / EMC (EN50091-2) / Performance (EN62040-3 , EN50091-3) / Protection Class (IP 20)			



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