

# AC/DC<sup>®</sup> UPS

[www.acdc.com.tr](http://www.acdc.com.tr)



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



CE

1 - 2 - 3 kVA

- Cold Start
- LED Panel
- EMI / RFI Filter
- True Sine Wave
- Microprocessing Controlled
- Short Circuit & Over Load Protection
- Wide Input Voltage Range ( 160 ~ 280 ~ VAC)
- Monitoring Via Computer With Intelligent RS-232 Protocol
- Back-up Time up to 4-6 hours with extra battery (optional)
- Remote Monitoring and Control Via Internet With SNMP Modul (optional)

**TÜV**  
AUSTRIA  
HELLAS  
EN ISO 9001:2008

## Your Positive Energy Source...

# AC/DC<sup>®</sup> UPS On Sinus Series - 1 - 2 - 3 kVA

## Uninterruptible Power Supply Technical Specifications

MODEL	Sinüs 1001	Sinüs 1002	Sinüs 1003
Power (kVA)	1 kVA	2 kVA	3 kVA
Power (kWatt)	0.7 kWatt	1.4 kWatt	2.1 kWatt
<b>INPUT</b>			
Input Voltage	220 / 230 / 240 VAC		
Input Voltage Range	160 VAC - 280 VAC		
Input Frequency	50 Hz ~ 60 Hz + 5% ( automatic detection)		
Input Power Factor	> 0,98 ( Full Load )		
<b>OUTPUT</b>			
Output Power Factor	0,7		
Output Voltage	220 / 230 / 240 / VAC + %2		
Output Frequency	50 Hz+ 0,5% Hz. ( free mode )		
Synchronization	1 Hz / sec.		
Voltage Fluctuation Shape	True Sine		
Total Harmonic Distortion	< %3 (no load - full load )		
Crest Factor	3 : 1		
Cold Start	Available		
Transfer Time (Line Failure)	0 ms.		
<b>BATTERY</b>			
Type	Maintenance-free dry type battery, built-in, Extra optional cabin		
Battery No / Voltage	3 pcs / 36 VDC	6 pcs / 72 VDC	8 pcs / 96 VDC
Battery Back-up Time	~ 10 minutes		
Battery Charge Control	Current, Voltage, Heat and PWM Control		
Battery Charge Time	8 hours of up to 90% capacity charge time After deep discharge. Extra charges for longer charge times		
<b>DISPLAY AND CONTROL PANEL</b>			
Type	LED Panel		
Control Panel	Push button (on / off, sound alert is off)		
Display	Low Battery, Inverter, By-Pass, Self Testing Load Level, Battery Level, Overload, Failure Status (by LED's)		
<b>PROTECTIONS</b>			
Over Loading Capacity	at %100 ~ 120 load without By-Pass 60 sec ; at %120 ~ 150 load without By-Pass 10 sec ; > %150 load By-Pass		
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 ; fail ut		
High Voltage	Passes to back-up mode		
Low Battery Level	Alarm beeps till the batteries are over		
Noise / Fault Current	En50091-2 standarts / En61000-4-5 standarts		
<b>ALARMS &amp; WARNINGS</b>			
Audial & Visual	Buzzer can be off ; line failure, Battery low, UPS fault status, Overload		
<b>COMMUNICATION</b>			
Computer Interface / Protocol	Standart RS232 / Megatec Protocol		
Operating System Compatibility	MS-Windows 95/98/INT/2000/XP, Novell, Netware, Linux, OS/2, Netlite, MS-DOS, HP-UX, AIX, SUN OS, XENIX, UNIX		
<b>GENERAL</b>			
Efficiency AC/AC	> %85		
Noise Level	< 45 DB ( 1 m )		
Topology	High frequency PWM, IGBT, True Online, Multiple micro controlling design		
Operation Temperature / Humidity	0 °C ~ 40 °C, max 95% (not condensated)		
Cooling	Blower		
Dimensions WxHxD (mm)	147 x 223 x 401	130 x 365 x 480	190 x 365 x 455
Net Weigh (kg)	15 kg	27 kg	36 kg
SNMP Compatibility	SNMP Card Compatible (optional)		
<b>SAFETY</b>			
Safety / EMC	EN50091-1 EN50091-2		
Certificate	CE		

