

AC/DC[®] UPS

www.acdc.com.tr



UPS on 33M Series Uninterruptible Power Supplies True Online 3 Phase Input - 3 Phase Output



CE

10 kVA - 300 kVA

- Sine Wave and True Online
- PWM and IGBT Technology
- 2 Microprocessor Controlled
- Static and Manual By-Pass
- LCD Alphanumerical Display
(Battery, Load, Voltage and UPS Status)
- Extendable Battery Blocks
- Redundant Paralleling Option
- Automatic and Manual Battery Test
- Synchronization With Outer Sources
- THCDL and 12 Pulse Rectifier Options
- Reliable, Intelligent Battery Charge Systems
- Extendability Capacity With Parallel Function
- Low Commissioning and Operation Charges
- 2 Year Warranty ; 10 Year Spare Part Warranty
- Communication With Building Automation Systems
- Galvanic Insulation and / or Adjustment For Special Voltages
- Communication Capability With Computer and Network Systems and SNMP Solutions

TÜV
AUSTRIA
HELLAS
EN ISO 9001:2008

Your Positive Energy Source...

MODEL	33010	33015	33020	33030	33040	33060	33080	33100	33120	33160	33200	33250	33300	
Power(kVA)	10	15	20	30	40	60	80	100	120	160	200	250	300	
Power(kWatt)	8	12	16	24	32	48	64	80	96	128	160	200	240	
INPUT-RECTIFIER														
Input Voltage	380 / 400 / 415 VAC ; 3 Phases, Neutral													
Input Voltage Range	+ % 15													
Input Frequency	50 / 60 Hz													
Input Frequency Tolerance	+ % 10													
Input Power Factor	> 0,85													
OUTPUT-INVERTOR & By-Pass														
Output Power Factor	0,8													
Output Voltage	380 / 400 / 415 VAC ; 3 Phases, Neutral													
Output Voltage Regulation	+ % 1 (Static) ; + % 5 (Dynamic)													
Output Frequency	50 / 60 Hz (selectable)													
Frequency Resolution	+ % 0,2 (from battery) ; + % 1 (Synchronise to line)													
Voltage Fluctuation Shape	True Sine													
Total Harmonic Distortion	< % 3 (at linear load) ; < % 5 (at non-linear load)													
Cold Start	Available (models 33010, 33015, 33020, 33030) // Not available for others													
Total Efficiency	> % 90													
Crest Factor	3 : 1													
Transfer Time (Line Failure)	0 ms.													
BATTERY														
Type	Maintenance-Free dry type battery, Extra Optional Cabin													
Battery No	30 pcs / 12 V													
Trickle Charge Voltage	405 VDC													
Discharge Finish Voltage	300 VDC													
Battery Test	Automatic and Manual Battery Test System													
Battery Charge Time	8 hours of up to 90% capacity charge time After deep discharge													
DISPLAY														
Type	Touch Screen, LCD Panel													
LCD Display	Input/Output/Battery Voltage, Battery Current, Output Frequency, Battery Charge Level, Equipment Power, Load Percentage, Sync Hronisation and Communication and Failure Status													
LED Display	Load at By-Pass ; Load at UPS ; LED's for alarm and operation from battery													
PROTECTIONS														
Overloading Capacity	at %100 ~ 125 Load Without By-Pass 10 min ; at %125 ~ 150 Load Without By-Pass 1 min ; > %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) Ifline is normal UPS passes By-Pass mode b) Ifline is abnormal : Alarm beeps; failure LED is on ; UPS cuts the Output													
Low Battery Level	Battery low message is on LCD screen, short voice warning at every 15 sn													
ALARM & WARNINGS														
Audial & Visual	By-Pass/Line failure, Load at By-Pass, Overload, No line, No input, Output Voltage High/Low, Overheat, Battery Voltage High/Low, Short Circuit, Invert or Failure, Battery Failure													
COMPUTER INTERFACE														
Control & Monitoring	Dry Contact information, RS232 Serial Port, Software (TMON), Remote monitoring panel (Optional), SNMP and Megatec Protocol (Optional)													
Dry Contact Information	Output at UPS / By-Pass, Operation from battery / Line, battery low / Normal, urgent shut-down													
HTTP / SNMP Compatibility	Windows 95/98/NT/2000/XP, Novell, Netware, Linux, OS/2, Netlite, MS-DOS, HP-UX, AIX, SUN OS, XENIX, UNIX, (With Software CD and Cable)													
GENEL														
Noise Level	< 55 dB (1 m)			< 60 dB (1 m)			< 65 dB (1 m)			< 70 dB (1 m)				
Topology	Hi Frequency IGBT, PWM, True Online, High Reliability With 2 Microprocessor and Intelligent Driver .3 Microprocessor at Parallel Systems													
Operation Temperature / Humidity	0 C ~ 40 C / max 90% (not condensated)													
Cooling	Forced Cooling by blower													
Dimensions WxHxL(mm)	500 X 1200 x 680			570 x 1400 x 850			1100 x 1680 x 815			1565 x 1900 x 930				
Net Weight (kg)	240	255	270	290	490	570	600	750	820	980	1170	1570	1630	
STANDARTS														
Security (EN50091-1) / EMC (EN50091-2) / Protection Class (IP 20) / VFI Class (IEC62040-3)														
OPTIONS														
Paralelling Kit, SNMP Kit, Separated Line Inputs, Remote Monitoring Panel, Filters, 12 Pulserectifier, Heat control Led Battery Charge Sytem, RS485, ECO Mode														