

## Model # MUOD2K

1-Ph, 2KVA, 220/230/240V, 50/60Hz, On-Line Double Conversion Outdoor UPS



## Product Description

**MUOD2K** Outdoor Intelligent Smart Online UPS provide continuous pure sine wave AC power supply for outside communications / network equipment with high input and output power factor, self-adjusting output frequency, smart battery management system and network management, intelligent built-in air condition unit to support high ambient operating temperatures up to 55deg C. Built in pure copper based isolation transformers ensures additional level of protection and safety. Built-in static and manual bypass switches helps zero mSec UPD down time during repair or maintenance schedule, this also helps high availability of uninterrupted good quality of power supply all the time.

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### Inner view of MUOD2K UPS



### Applications

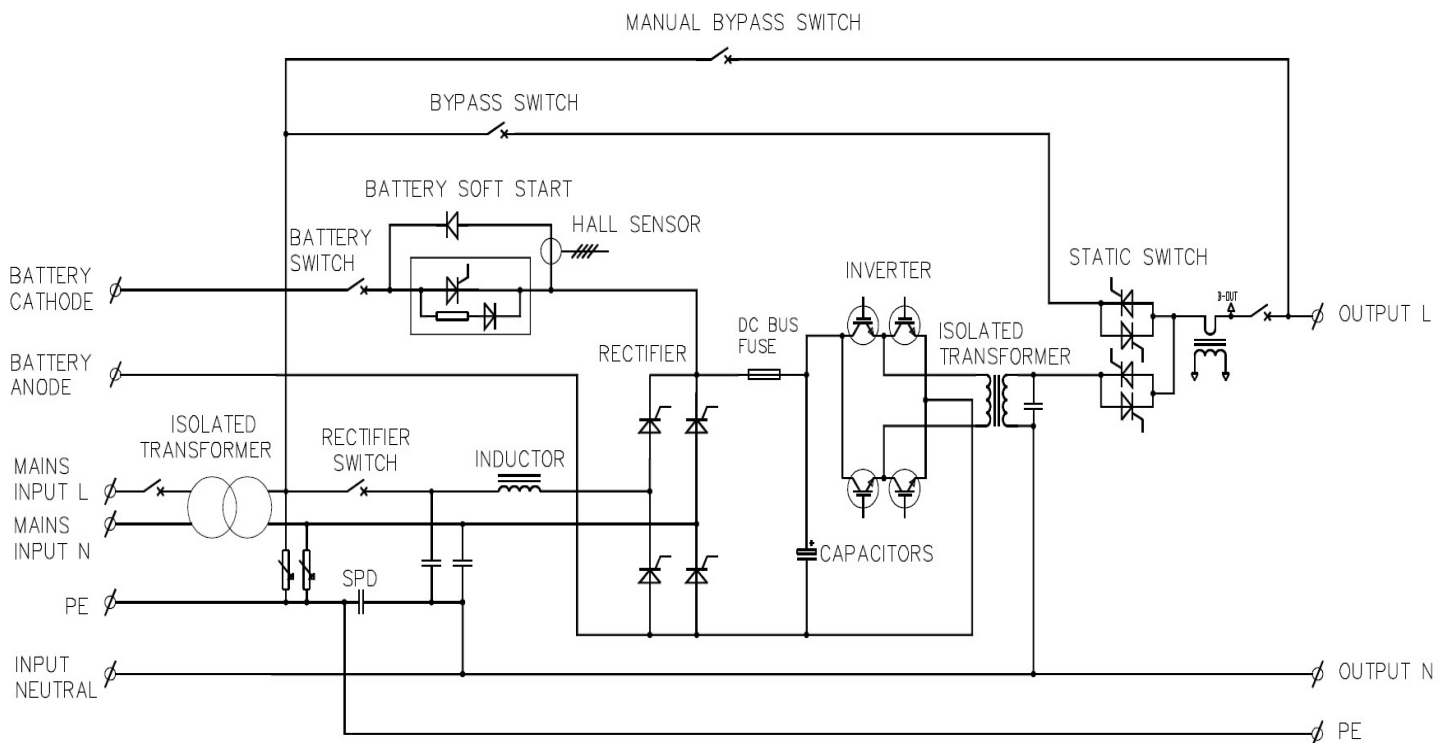
- Critical applications where ever higher reliability is needed
- Outdoor CCTV, security & surveillance
- Small Data centers & computer rooms
- Outdoor ATM closets, RTA signals
- Wide Telecom applications
- Defense and boarder security forces
- Mountains, bad environment, such as high temperature (+55 °C) / low temperature (-40 °C)
- Severe dust, moisture, rain, mist erosion, very poor power quality (voltage long term higher than 277V or less than 160V, frequency abnormal change) in the area
- Power Generation & distribution stations

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### Key Features

- Pure sine wave output with true on-line double conversion technology
- Built-in pure copper based Input/output isolation transformer
- Built-in static bypass switch
- Built-in manual bypass switch
- Built-in AC input surge protector
- Built-in AC DB with connectors and AC breakers with surge protection
- Intelligent air condition unit to support higher temperature operational environment
- High temperature resistant, anti-cold, sealing level of IP65
- Advanced semiconductor technology with DSP based smart control systems
- Wide range of input voltage and frequency of input window (- 45% +35% rated voltage and  $\pm 10\%$  rated frequency)
- Wide range of input voltage while input PF>99%
- Output PF of 0.8 more powerful load capability
- Protection: Overvoltage, over load, low voltage, short circuit, battery over charge, battery deep discharge and over temperature
- LCD/LED display, monitoring all the operation status and alarms
- Abundant interface: RS232, SNMP

### SLD



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### Product Specification

MODEL	MUOD2K
	2KVA
Capacity	2KVA/1.6KW
Nominal Voltage	220/230/240VAC
Nominal Frequency	50HZ/60HZ
INPUT	
Voltage Range	115~295VAC(±3VAC)
Frequency Range	50HZ:(46HZ~54HZ); 60HZ:(56HZ~6HZ)
Soft Start	0~100% 5sec
Power Factor	0.98
OUTPUT	
Voltage Precision	223/230/240x(1±2%)
Frequency Precision	50/60HZ±0.05HZ
Power Factor	0.7/0.8(Optional) Standard 0.7
Wave Distortion	Linear load<3% Non-linear<6%
Overload Capability	Overload (110%~150%)for 30 seconds, then automatically transfer to bypass. When load is normal, it can automatically transfer to normal mode.
Crest Factor	3:1
Transfer Time	0mSec (AC to DC) On-line double conversion technology
BATTERY	
DC Supply Voltage	96VDC
Charge Current	4A/8A(optional)
Internal Battery Capacity	(38/65/80/100AH)optional
LCD Panel Display	Load level/Battery level, Battery indicator, Utility Power, Bypass, Overload, Fault
MISCELLANEOUS SPECS.	
Cooling unit	Built-in Air condition unit with the UPS & battery cabinet
Communicate Interface	RS232、SNMP Card
IP rating	IP65
Operating Temperature	-25° C~60° C
Humidity	0~95% (Non-condensing)
Storage Temperature	-25° C~60° C
Elevation	<1500m
COMMUNICATIONS	
Communications Interface	RS232 Serial; Slot for SNMP/Web interface, parallel interface

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Network Management Cards	SNMP-UP2, Dry contacts (optional)
Software compatibility	Windows family all versions, Linux, Sun Network OS, IBM Aix, Compaq Tru64 SGI IRIX, FreeBSD, HP-UX and MAC
UPS monitoring Software	Supplied along with UPS. Optional SNMP card with web based available on request
Communications Cable	RS232 serial
PHYSICAL CHARACTERISTICS	
Weight(KG)	125
Dimensions(WxDxH)mm	650x753x1227
CERTIFICATIONS & WARRANTY	
Warranty	2 Years repair Or Replace
Compliance	CE, EN/IEC 62040-1:2008, EN/IEC 62040-2:2006, EN/IEC 61000-3-3:2013, EN/IEC 61000-3-2:2014 EN60950-1, EN60529(IP65 test)
Quality	RoHs, ISO9001, ISO14001

## Electrical Wiring Layout

