

DBL MX SERIES



DIGITAL DOUBLE CONVERSION TRAFFIC UPS


The DBL-MX Series UPS brings the latest in Digital Control Technology. Using a full featured LCD display with LED indicators, the DBL MX provides precise and valuable information that can be used to fine tune the input and output voltage for increased flexibility and reliability. The DBL-MX UPS is a Continuous-On-Line design that provides isolation, full power conditioning, filtering and spike/surge protection even when most generators are used. The wide selectable output range provides a voltage that is regulated to $\pm 1\%$ with additional adjustable increments of 1Vac. The DBL-MX operates with an input range of 60Vac to 144 Vac without using the batteries. This digital design provides seamless, pure sine-wave power at all times without switching, with the added benefit of extending battery life.

FEATURES:

- *Double Conversion True On-Line Digital Design.*
- *Full function programmable LCD Display with AC input/output voltage, Input Output Frequency, Battery Voltage, UPS temperature, voltage settings, Load Percentage, Bypass setting, Alarm Fault Codes etc.*
- *Programmable output voltage settings of 110, 115, 120 or 127 Vac.*
- *Output regulation of -3, -2, -1, 0, +1, +2 or +3 for load fine tuning.*
- *Wide frequency window of 45 to 65Hz, with settings for generator sensitivity.*
- *Full time power conditioning and filtering.*
- *Output contact relays that may be set for N/C or N/O operation.*
- *Standard Emergency Power OFF connector.*
- *10Hr adjustable flash timer.*
- *Generator Compatible.*
- *Event Counter and Hour Meter with reset.*
- *Latching AC and DC Anderson connectors*
- *USB interface with real time software.*
- *SNMP communication ready.*

SPECIFICATIONS

MODEL	DBL700MX	DBL1000MX	DBL1400MX
INPUT VOLTAGE FREQUENCY INPUT POWER FACTOR		60/70/80-144, OR 120/140/160-288 50/60Hz ± 5% (Auto Sensing) >.99 (FULL LOAD)	
OUTPUT VOLTAGE VOLTAGE REGULATION CAPACITY WATTS WAVE FORM FREQUENCY STABILITY TRANSFER TIME CREST FACTOR EFFICIENCY DC START CONNECTIONS AC CONNECTION D/C DIAL TIMER RELAY OUTPUT TERMINALS DC VOLTAGE CHARGER BYPASS DIMENSIONS:	700 WATTS	1050 WATTS	1400 WATTS
	Sine Wave, THD <3%, <= 3Hz or 1Hz (Setting by software) ± 0.1% unless synchronized to line. 0 ms 3:1 up to 92% yes 6 Pole Anderson Latching 1x, 5-15R Output Receptacle 4Pole Anderson Latching with reverse polarity interlock. Dual Function 10 Hr Delay with N/O & N/C isolated terminal output. On battery, Low Battery, Battery Fail, UPS Alarm, Inverter ON. N/O or N/C selectable		
	36VDC	36VDC	72VDC
	Rectifier IGBT, 3 Step with temperature compensation, 0 .3c charge, 180 watts. Overload 150% for 30 Seconds, 180% for .3 seconds then to bypass. 15.25W x 4.65H x 10D		
		15.25W x 6.25H x 10D	
DISPLAY	Normal, Battery, Bypass, Self Test, Battery Weak, Battery Fail, Ground Fault, Fault, Over Load, Battery Level. Input RMS Voltage, Output RMS Voltage, Input Frequency, Output Frequency, Battery Voltage, Voltage Settings, Frequency Window, Frequency Output Conversion, Bypass Setting, Bypass Sensitivity. Fault Codes for UPS overload, Battery Fail, Fan Fail, UPS Inverter Failure, Output Shorted. LED for AC line, Inverter ON.		
PROTECTION RF NOISE AND SUPPRESSION: SAFETY STANDARD: PERFORMANCE: EMC STANDARDS:	400 Joules, multi stage MOV with RF input output filters. Conforms to EN62040-1, UL 1778. EN62040-3 FCC CLASS A, EN61000-3-3, EN61000-3-2, EN62040-2		
COMMUNICATION	Monitoring Software, RS232 and USB communication, with DRY contact Relay Card, and SNMP Ready.		
OPTIONS	600, 800 & 1000 Watt external chargers. SNMP Card. Bypass Switch. Bypass Switch with Generator input option.		

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