

DBL MXU-36 Series

Uninterruptible Power



- Double Conversion provides the greatest power protection during swells, surges, spikes, low voltage and high voltage.
- Continuous power conversion, power conditioning and protection.
- Industry Leading Wide input range of 55VAC to 150VAC without using the batteries.
- Unity Power, provides real power at all times.
- ECO Green Energy Mode
- Industry leading voltage regulation of + or- 1% under all conditions.
- Low weight of under 12lbs, 5.46Kg.
- Power ratings of 800, 1000 & 1400 watts.
- Cold start provides immediate power to the loads without the need for AC power.
- Self diagnostics and 24hr schedule testing.
- May be configured to display the approximate back up time remaining based on batteries and load.
- Battery Balancing/monitoring option *

Specifications.

MODEL		DBLMX800U-36	DBLMX1000U-36	DBLMX1400U-36
Power Rating		800VA/800W	1000VA/1000W	1400VA/1400W
INPUT	Voltage Rating	55/75/90-150 VAC Based on the load percentage -25% / 0-75%/ 0-100%		
	Frequency Rating	45 to 70Hz, Auto Sensing with Fine Tuning		
	Phase	Single phase, 2 wire plus ground		
	Power Factor	0.99 at full linear load		
	THDi	less than 7% at full load and nominal Voltage		
	Generator Power	Compatible with Generator Power		
	Input Connection	Anderson Power Pole with ground		
OUTPUT	Voltage	120VAC, adjustable to 100/110/115/120/127		
	Voltage Regulation	Static: Within +/-1% until battery low warning		
	Frequency Synchronized Range	3Hz, or 1Hz (selectable)		
	Frequency on Battery	50/60Hz +/-0.2% unless synchronize to line		
	Current Crest Ratio	3:1		
	Voltage Harmonic Distortion	less than 3% full linear load		
	Output Wave Form	Pure Sine Wave		
	Output Connections	Anderson Power Pole, NEMA 5-15R		
	AC Overload	100- 105% continuous 106-120% 30 seconds then Bypass 121 to 150% for 10 seconds then Bypass		
Efficiency	Line Mode	90%		
	Battery Mode	88%		
	ECO Mode	96.5%		
DC	Battery String VDC	36VDC		
	Battery Charger	322 watts/8.9amps		
	Battery Charger	Float: 41.1+/-1%		
	Battery Charger	Bulk: 45.0 +/-1%		
Transfer Time	Transfer Time	0 ms		
DC Start	Cold Start	Yes		
Control	LCD Panel	Normal, Battery, Self Test, Battery Weak or Bad, Low Battery, Battery Not Connected, Fault, OverLoad, Bypass, Output Amps, Load Level etc.		
	Timer	4 Line LCD display, NO/NC relays, low battery setting, 10Hr timer, etc		
Alarms	Audible	Battery Mode, Low Battery, Over Load, Fault		
Protection	Short Circuit.	Bypass: CB Trip, Normal: Output CB /Electronic Circuit, Battery Mode: CB		
	Battery VDC	Auto Detection with internal fast blow fuse.		
	EPO	UPS Shuts down, latch condition.		
	Over Temp	Normal: Transfer to Bypass, Battery Mode: UPS shuts down immediately		
Mechanical	Dimensions	380Wx278Dx132H (14.9x11.35x5.2)		
	Weight	5.2Kg (11.2lbs)		
Environmental	Operating	-37c to +74c		
	Noise Level	50db		
	Humidity	5 to 90% (without condensation)		
Communication	Standard	RS232, Relay Output(10 pins) Timer output, low bat etc.		
	Optional	Ethernet SNMP, External SNMP		
	Platforms	Microsoft Windows, Linux, Ma8,		
Safety Standards	Safety	cTUVus, uL 1778-R8.15, CSA C22.2 No107 3-14		
	FCC	FCC Part 15 Class A tested		
	Markings	cTUVus		

