

DBL MXU Series



Uninterruptible Power

- Double Conversion provides the greatest power protection during swells, surges, spikes, low voltage and high voltage.
- Continuous power conversion and power 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 up to 2000 watts.
- Cold start provides immediate power to the loads without the need for AC power.
- External DC connector for additional charger capacity of up to 45 amps.
- Self diagnostics and 24hr schedule testing.
- May be configured to display the approximate back up time remaining based on batteries.
- Battery Balancing/monitoring option *

Specifications.

MODEL	DBLMX800U-36	DBLMX1000U-36	DBLMX1400U-36	DBLMX2000U-48
Power Rating	800VA/800W	1000VA/1000W	1400VA/1400W	2000VA/2000W
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	48VDC	
	Battery Charger	322 watts/8.9amps	345 watts/7.2 amps	
	Battery Charger	Float: 41.1+/-1%	Float: 54.8 +/-1%	
	Battery Charger	Bulk: 45.0 +/-1%	Bulk: 56.4 +/-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)	440Wx324Dx132H (17.2x12.75x5.2)	
	Weight	5.2Kg (11.2lbs)	9Kg (20lbs)	
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, Mac etc.		
Safety Standards	Safety	Boards tested to UL 1778, (cTUVus), System ESA		
	FCC	FCC Part 15 Class A tested		
	Markings	ESA, FCC		

