

# DBL SERIES

## DOUBLE CONVERSION TRAFFIC UPS

420 TO 1400 WATTS OF UNINTERRUPTIBLE POWER

### OPTIONS

- Internal Chargers to 500 watts
- External Chargers to 1000 watts
- SNMP
- 24/7 timer
- Logging Options
- Extended warranties
- Redundant operation.
- Bypass Hot Swap Option
- Dual Source input option



### FEATURES & BENEFITS

- True On Line Double Conversion UPS Technology provides efficient uninterrupted power. Operates within the utility circuit at all times.
- Continuous Power Conditioning, constant voltage regulation on the input and output, maximizing the protection against spike, sags, surges, noise, brownouts and power outages.
- Output isolation from the Utility.
- Will provide 120v AC to the controller under any load or line condition. Even when the input voltage is as low as 75v, the UPS will not use the batteries.
- Easy to understand LED's for AC Healthy, Charger, Battery Power, Alarm & Overload, Load, Battery Charge and Discharge.
- Front Panel LED Display for power interruptions and On Battery Inverter minutes
- Multi function Dial 10 Hr timer allows the utmost in flexibility and adjustability.
- All Front panel connections are Anderson Power Pole connectors.
- Unity-1 power factor, 700, 1000, 1400 watts of continuous power.
- Temperature compensated 200 watt battery charger, means longer battery life and better charge control.
- Dry contact terminals for UPS on Battery, Bypass, AC fail, UPS Alarm, Low battery, Flash delay and Emergency Power Off.
- Built in transient surge protection.
- RS 232, with full duplex communications provides all UPS parameters and information including real-time software.
- SNMP Ready
- Two Year Standard Warranty.
- 150% maximum overload capacity for Incandescent & LED. This also eliminates the need for over-sizing the UPS.

# SPECIFICATIONS

## MODELS

## DBL 700M

## DBL1400M

<b>CAPACITY</b>	700 WATTS	1400 WATTS
<b>DIMENSIONS</b>	6.0H X 19W X 10.0 D	5.5H x 19W x 14.5 D
<b>MOUNTING</b>	Rack or Shelf Mount	
<b>WEIGHT W/O BATTERY</b>	23 LBS	38 LBS
<b>CONSTRUCTION</b>	Steel	
<b>INPUT CONNECTION</b>	Power Pole Quick Connector	
<b>OUTPUT CONNECTION</b>	Power Pole Quick Connectors	
<b>BATTERY CONNECTION</b>	Anderson DC Connector	
<b>ELECTRONICS</b>	High Frequency	

## OPERATION

<b>NOMINAL INPUT VOLTAGE</b>	120VAC Line Operation
<b>SELECTABLE OUTPUT AC VOLTAGE</b>	105, 110, 115, 117 Selectable
<b>INPUT RANGE</b>	65 to 135VAC
<b>OPERATING FREQUENCY</b>	50/60HZ Autosensing
<b>OUTPUT REGULATION</b>	+/- 2%
<b>OVERLOAD CAPACITY</b>	150% for 30 seconds the to bypass.
<b>ON-BATTERY VOLTAGE</b>	105, 110, 115, 117 Selectable
<b>OUTPUT FREQUENCY</b>	Phase Locked to input under normal conditions
<b>OUTPUT PROTECTION</b>	Electronic overload, Separate Output Fuse
<b>DC PROTECTION</b>	Fuse or Circuit Breaker.
<b>BATTERY CHARGER</b>	3 Step Hysteresis type, Temperature Compensated, 200 WATT @36v OR 72VDC
<b>RECHARGE</b>	16 HRS Maximum w/ 6 55 AH batteries fully discharged 12 HRS M-1500
<b>EFFICIENCY</b>	84% on line
<b>COMMUNICATIONS</b>	Full duplex, RS 232 PORT-9 pin & software real time
<b>LCD DISPLAY</b>	AC line, Battery Power, Overload, Alarm Bypass, Power Outages Load, battery Charge.
<b>CONTROLS</b>	ON/OFF, Full diagnostics test, Battery Testing.
<b>METER DISPLAY</b>	Event Counter, On Battery counter.
<b>FLASH LED DISPLAY</b>	Flash Delay Programming , with User Preset Time indication and Count Down.
<b>AUDIBLE ALARMS</b>	Low Battery, Bypass, UPS Fail, Overload, UPS On Battery, Battery Fail, Site Wire Fault
<b>DRY CONTACTS</b>	Relay card, for AC fail, Bypass, On Battery, Battery Low, Alarm, Bypass, EPO & Flash.
<b>SAFETY COMPLIANCE</b>	Designed to conform to UL /CUL standards, ESA Listed All components UL ULC listed.

## ENVIRONMENTAL

<b>OPERATING TEMPERATURE</b>	-40C(40F) TO + 74C (165F)
<b>STORAGE TEMP</b>	-40C(40F) TO + 74C (165F)
<b>RELATIVE HUMIDITY</b>	UP TO 95% Non Condensing
<b>ALTITUDE</b>	3000M Without derating

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