

# Medi-X



## PRODUCT FEATURES

- » Pre-programmed 'plug and play' design
- » No need for an electrician or lengthy setup
- » 98% efficient while on mains
- » Up to 24 hours battery back up
- » Fast battery recharge time
- » Remote mains fail alarms (optional)
- » Automatic voltage regulation with surge protection
- » Manufactured to customer's specifications

## HOW TO CHOOSE WHAT MEDI-X IS RIGHT FOR YOUR APPLICATION

- » MediX-2 models: Standard fridges running on a 10A input plug (0-5 Degrees C)
- » MediX-3 models: Ultra-low freezers consuming over 4A (1000W) standard fridges can also operate on the MediX-3 range
- » Inrush current/max current must be below 9A on all fridges/freezers
- » To calculate a specific fridge contact PSS Distributors

## MODELS

### Standard fridges 2-8 degrees C. Medix-2 range

- » MEDIX-2-3
- » MEDIX-2-12
- » MEDIX-2-18
- » MEDIX-3-48

### Ultra-low freezers

- » MEDIX-3-4
- » MEDIX-3-16
- » MEDIX-3-24
- » MEDIX-3-48

## RUN TIME IN MINUTES

Runtimes for standard fridges (0-5 degrees)

Size in Litres/ Motor Size	MEDIX-2-3	MEDIX-2-12	MEDIX-2-18	MEDIX-3-48
300L/180-250W	85	340	510	1360
380L/250-320W	74	296	444	1184
600L/320-480W	63	252	378	1008
1000L/480-600W	45	180	270	720

Runtimes for Ultra-Low freezers (-86 Degrees)

Size in Litres/ Motor Size	MEDIX-3-4	MEDIX-3-16	MEDIX-3-24	MEDIX-3-48
100L/500-700W	40	210	350	600
450L/900-1400W	28	180	300	540
700L/1600W	18	120	195	450

Runtimes for Ultra low freezers (-40 degrees)

Size in Litres/ Motor Size	MEDIX-3-4	MEDIX-3-16	MEDIX-3-24	MEDIX-3-48
250L/200-300W	120	420	600	820
450L/400-500W	90	300	480	700
650L/650-800W	30	150	220	480

# MEDI - X UPS FOR MEDICAL FRIDGES

## SPECIFICATIONS

MODEL	Medix - 2	Medix - 3
Medi-X	2kVA/1.6kW	3kVA/2.4kW
<b>INPUT</b>		
AC Voltage	175 - 290Vac 10A AUS Plug	175 - 290Vac 10A AUS Plug
Frequency	45 - 55 Hz	45 - 55 Hz
<b>OUTPUT</b>		
Battery Mode Voltage	220V, 230V, 240VAC LCD selectable	220V, 230V, 240VAC LCD selectable
Frequency	50/60 Hz +/- 0.3Hz	50/60 Hz +/- 0.3Hz
Wave form	Pure Sine Wave	Pure Sine Wave
Harmonic Distortion	≤ 5% (Linear Load)	≤ 5% (Linear Load)
Transfer time	≤ 10ms	≤ 10ms
<b>EFFICIENCY</b>		
AC Mode	Max 98%	Max 98%
Battery Mode	Max 85% (Linear Load)	Max 85% (Linear Load)
<b>BATTERY</b>		
DC	36V	48V
Type	Sealed maintenance free lead acid batteries	Sealed maintenance free lead acid batteries
Typical Recharge Time	8 hours recover to 90% capacity	8 hours recover to 90% capacity
<b>PROTECTION</b>		
Full Protection	Overload, Short circuit protection, Battery overcharge and discharge protection	Overload, Short circuit protection, Battery overcharge and discharge protection
<b>ALARM</b>		
Battery Mode	Beeps every 5 seconds, silent after 60 seconds	Beeps every 5 seconds, silent after 60 seconds
Battery Low	Beeps every 0.16 second	Beeps every 0.16 second
<b>COMMS &amp; MANAGEMENT</b>		
Ports	USB and RJ45 standard	USB and RJ45 standard
Optional	Relay / SNMP	Relay / SNMP
<b>CHARACTERISTICS</b>		
Audible Noise	≤ 50 dB at 1 Metre	≤ 50 dB at 1 Metre
Temperature	0-40°C	0-40°C
Humidity	10-90% RH (non-condensing)	10-90% RH (non-condensing)

MODELS	MEDIX-2-3	MEDIX-2-12	MEDIX-2-18	MEDIX-3-48
Dimension (HxWxD)	450x135x460	450x270x600	450x270x600	700x370x650
Weight (kg)	22	51	66	145

MODELS	MEDIX-3-4	MEDIX-3-16	MEDIX-3-24	MEDIX-3-48
Dimension (HxWxD)	450x135x460	450x270x600	450x270x600	700x370x650
Weight (kg)	27	58	100	145

### Communication Accessories

#### SW012

SNMP Card - Remote monitoring and access to UPS via assigned IP address.



#### SW013

Relay Card - Trigger voltage free contacts to reflect UPS events and status.



#### SW0124 RS232 -

Serial port connection.



## MEDI-X LL (LONG LIFE) BATTERIES

Our Long Life (LL) batteries are 10-year design life, specifically designed to protect critical loads with a longer life span. The LL batteries are suitable and the best option for the medical field and remote installations for critical sites.

### MODELS

#### Standard fridges 2-8 degrees C. Medix-2 range

- » MEDIX-2-3-LL
- » MEDIX-2-12-LL
- » MEDIX-2-18-LL
- » MEDIX-3-48-LL

#### Ultralow freezers

- » MEDIX-3-4-LL
- » MEDIX-3-16-LL
- » MEDIX-3-24-LL
- » MEDIX-3-48-LL

### RUN TIME IN MINUTES

Runtimes for standard fridges (0-5 degrees)

Size in Litres/ Motor Size	MEDIX-2-3-LL	MEDIX-2-12-LL	MEDIX-2-18-LL	MEDIX-3-48-LL
300L/180-250W	85	340	510	1360
380L/250-320W	74	296	444	1184
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