


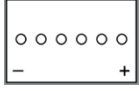
**PRODUCT DETAILS**

<b>PRODUCT CODE</b>	MFX75D23L	
<b>CHARACTERISTIC</b>	Lead-Acid Maintenance Free	
<b>GROUP SIZE</b>	D23	
<b>CASE AND LID</b>	Material : Polypropylene (PP)	
	Handle : 1-pc PP handle	
	Ledge : Recessed ledge on long sides	
	Vent : Centralized venting on sides	
<b>ELECTROLYTE</b>	36% H <sub>2</sub> SO <sub>4</sub> at 15°C	
<b>PLATE DESIGN</b>	Lead-Calcium-Tin Alloy	
	Cast-Framed Positives	
	Concast-Framed Negatives	
<b>48 Months Warranty*</b>		

\*for PRIVATE passenger vehicle use, subject to terms and conditions

**DIMENSIONAL SPECIFICATIONS**

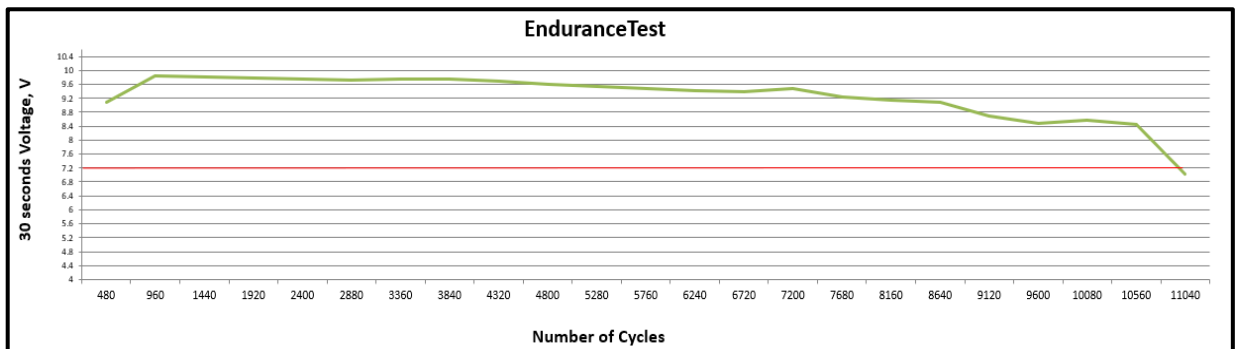
OVERALL DIMENSIONS	METRIC (mm)
<b>LENGTH</b>	233
<b>WIDTH</b>	173
<b>HEIGHT (bottom to top cover)</b>	201
<b>TOTAL HEIGHT (bottom to top of terminal)</b>	222
<b>APPROXIMATE WEIGHT</b>	17.9 kg

TERMINAL DATA	METRIC (mm)
<b>TYPE</b>	SAE
<b>TERMINAL HEIGHT</b>	18.5±1.50
<b>BOTTOM DIAMETER</b>	19.5+0/-0.3
<b>TAPER</b>	1:9
<b>POLARITY</b>	

**CAPACITY SPECIFICATIONS**

<b>COLD CRANKING AMPS (CCA)</b>	565 CCA
	Test reference: AS2149:2003 Rated CCA DCH at 18°C for 30 sec
<b>AMPERE-HOUR AT 20-HOUR CAPACITY</b>	65 AH
	Test reference: JIS 5301:2006 Rated AH DCH at 10.5 V cut-off voltage
<b>RESERVE CAPACITY (RC)</b>	112 mins
	Test reference: AS2149:2003 25 Amps DCH at 10.5 V cut-off voltage

<b>VIBRATION TEST</b>	No voltage fluctuation during the test; No visible sign of damage and no major mechanical failure
	Test reference: AS2149:2003
<b>WATER CONSUMPTION</b>	2.6 g/Ah
	Test reference: EN 50342-1:2015 Acceptance criteria <4.0 g/AH
<b>ENDURANCE TEST</b>	10631 cycles
	Test reference: JIS 5301:2006 at 40°C Acceptance criteria >3800 cycles



**PRODUCT DETAILS**

PRODUCT CODE	MFX75D23R
CHARACTERISTIC	Lead-Acid Maintenance Free
GROUP SIZE	D23
CASE AND LID	Material : Polypropylene (PP)
	Handle : 1-pc PP handle
	Ledge : Recessed ledge on long sides
	Vent : Centralized venting on sides
ELECTROLYTE	36% H <sub>2</sub> SO <sub>4</sub> at 15°C
PLATE DESIGN	Lead-Calcium-Tin Alloy
	Cast-Framed Positives
	Concast-Framed Negatives



**48 Months Warranty\***

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**DIMENSIONAL SPECIFICATIONS**

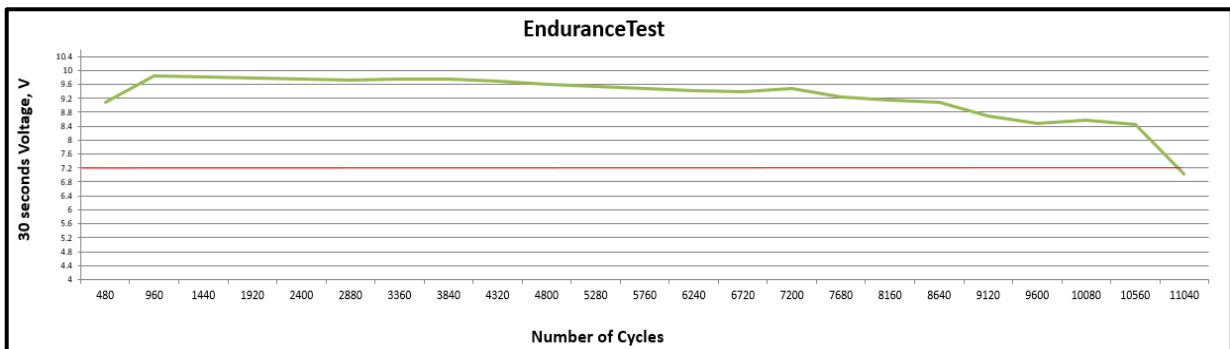
OVERALL DIMENSIONS	METRIC (mm)
LENGTH	233
WIDTH	173
HEIGHT (bottom to top cover)	201
TOTAL HEIGHT (bottom to top of terminal)	222
APPROXIMATE WEIGHT	17.9 kg

TERMINAL DATA	METRIC (mm)
TYPE	SAE
TERMINAL HEIGHT	18.5±1.50
BOTTOM DIAMETER	19.5+0/-0.3
TAPER	1:9
POLARITY	

**CAPACITY SPECIFICATIONS**

COLD CRANKING AMPS (CCA)	565 CCA
	Test reference: AS2149:2003 Rated CCA DCH at 18°C for 30 sec
AMPERE-HOUR AT 20-HOUR CAPACITY	65 AH
	Test reference: JIS 5301:2006 Rated AH DCH at 10.5 V cut-off voltage
RESERVE CAPACITY (RC)	112 mins
	Test reference: AS2149:2003 25 Amps DCH at 10.5 V cut-off voltage

VIBRATION TEST	No voltage fluctuation during the test; No visible sign of damage and no major mechanical failure
	Test reference: AS2149:2003
WATER CONSUMPTION	2.6 g/Ah
	Test reference: EN 50342-1:2015 Acceptance criteria <4.0 g/AH
ENDURANCE TEST	10631 cycles
	Test reference: JIS 5301:2006 at 40°C Acceptance criteria >3800 cycles



**PRODUCT DETAILS**

PRODUCT CODE	MFx80D26L
CHARACTERISTIC	Lead-Acid Maintenance Free
GROUP SIZE	D26 / NS70 / G24
CASE AND LID	Material : Polypropylene (PP)
	Handle : 1-pc PP handle
	Ledge : Recessed ledge on long sides
	Vent : Centralized venting on sides
ELECTROLYTE	36% H <sub>2</sub> SO <sub>4</sub> at 15°C
PLATE DESIGN	Lead-Calcium-Tin Alloy
	Cast-Framed Positives
	Concast-Framed Negatives



**42 Months Warranty\***

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**DIMENSIONAL SPECIFICATIONS**

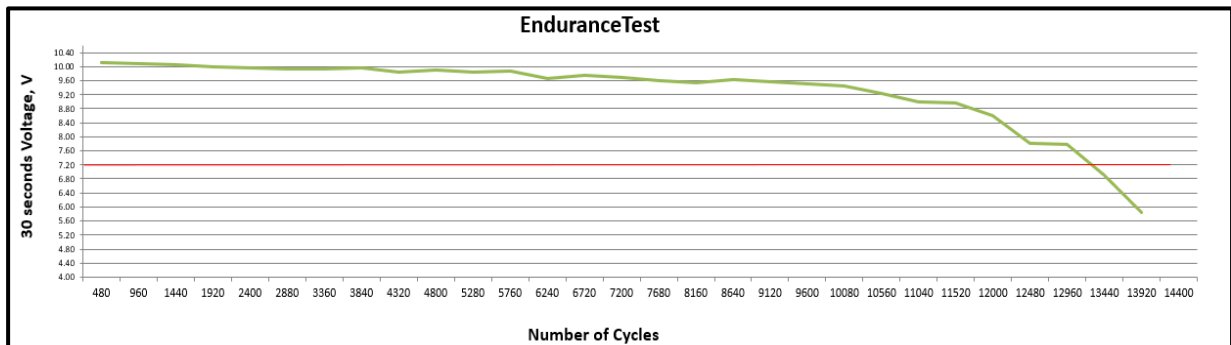
OVERALL DIMENSIONS	METRIC (mm)
LENGTH	259
WIDTH	173
HEIGHT (bottom to top cover)	202
TOTAL HEIGHT (bottom to top of terminal)	222
APPROXIMATE WEIGHT	19.6 kg

TERMINAL DATA	METRIC (mm)
TYPE	SAE
TERMINAL HEIGHT	18.5±1.50
BOTTOM DIAMETER	19.5+0/-0.3
TAPER	1:9
POLARITY	

**CAPACITY SPECIFICATIONS**

COLD CRANKING AMPS (CCA)	650 CCA
	Test reference: AS2149:2003 Rated CCA DCH @ 18°C for 30 sec
AMPERE-HOUR AT 20-HOUR CAPACITY	75 AH
	Test reference: JIS 5301:2006 Rated AH DCH at 10.5 V cut-off voltage
RESERVE CAPACITY (RC)	130 mins
	Test reference: AS2149:2003 25 Amps DCH @ 10.5 V cut-off voltage

VIBRATION TEST	No voltage fluctuation during the test; No visible sign of damage and no major mechanical failure
	Test reference: AS2149:2003
WATER CONSUMPTION	0.6 g/Ah
	Test reference: EN 50342-1:2015 Acceptance criteria <4.0 g/AH
ENDURANCE TEST	13278 cycles
	Test reference: JIS 5301:2006 at 40°C Acceptance criteria >3800 cycles



### PRODUCT DETAILS

PRODUCT CODE	MFx80D26R
CHARACTERISTIC	Lead-Acid Maintenance Free
GROUP SIZE	D26 / NS70 / G24
CASE AND LID	Material : Polypropylene (PP)
	Handle : 1-pc PP handle
	Ledge : Recessed ledge on long sides
	Vent : Centralized venting on sides
ELECTROLYTE	36% H <sub>2</sub> SO <sub>4</sub> at 15°C
PLATE DESIGN	Lead-Calcium-Tin Alloy
	Cast-Framed Positives
	Concast-Framed Negatives



**42 Months Warranty\***

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### DIMENSIONAL SPECIFICATIONS

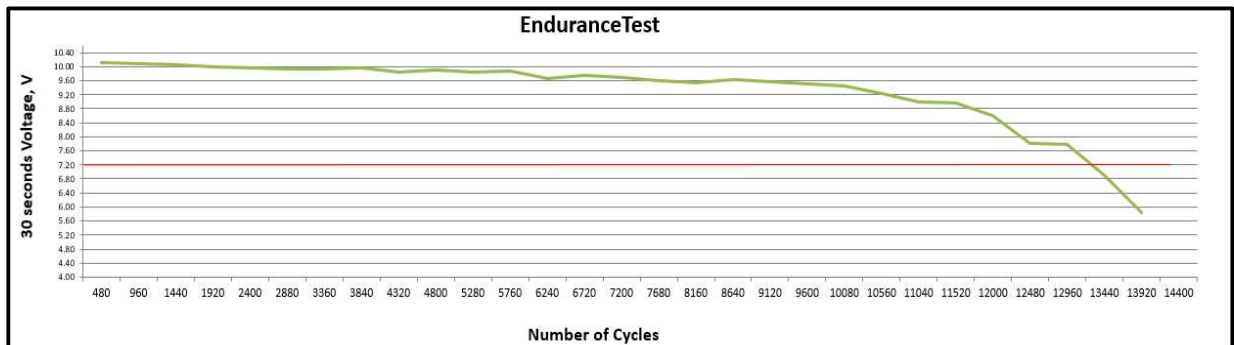
OVERALL DIMENSIONS	METRIC (mm)
LENGTH	259
WIDTH	173
HEIGHT (bottom to top cover)	202
TOTAL HEIGHT (bottom to top of terminal)	222
APPROXIMATE WEIGHT	19.6 kg

TERMINAL DATA	METRIC (mm)
TYPE	SAE
TERMINAL HEIGHT	18.5±1.50
BOTTOM DIAMETER	19.5+0/-0.3
TAPER	1:9
POLARITY	

### CAPACITY SPECIFICATIONS

COLD CRANKING AMPS (CCA)	650 CCA
	Test reference: AS2149:2003 Rated CCA DCH @ 18°C for 30 sec
AMPERE-HOUR AT 20-HOUR CAPACITY	75 AH
	Test reference: JIS 5301:2006 Rated AH DCH at 10.5 V cut-off voltage
RESERVE CAPACITY (RC)	130 mins
	Test reference: AS2149:2003 25 Amps DCH @ 10.5 V cut-off voltage

VIBRATION TEST	No voltage fluctuation during the test; No visible sign of damage and no major mechanical failure
	Test reference: AS2149:2003
WATER CONSUMPTION	0.6 g/Ah
	Test reference: EN 50342-1:2015 Acceptance criteria <4.0 g/AH
ENDURANCE TEST	13278 cycles
	Test reference: JIS 5301:2006 at 40°C Acceptance criteria >3800 cycles



### PRODUCT DETAILS

PRODUCT CODE	MF95D31L
CHARACTERISTIC	Lead-Acid Maintenance Free
GROUP SIZE	D31 / N70 / G27
CASE AND LID	Material : Polypropylene (PP)
	Handle : 1-pc PP handle
	Ledge : Recessed ledge on long sides
	Vent : Centralized venting on sides
ELECTROLYTE	36% H <sub>2</sub> SO <sub>4</sub> at 15°C
PLATE DESIGN	Lead-Calcium-Tin Alloy
	Cast-Framed Positives
	Concast-Framed Negatives



**42 Months Warranty\***

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### DIMENSIONAL SPECIFICATIONS

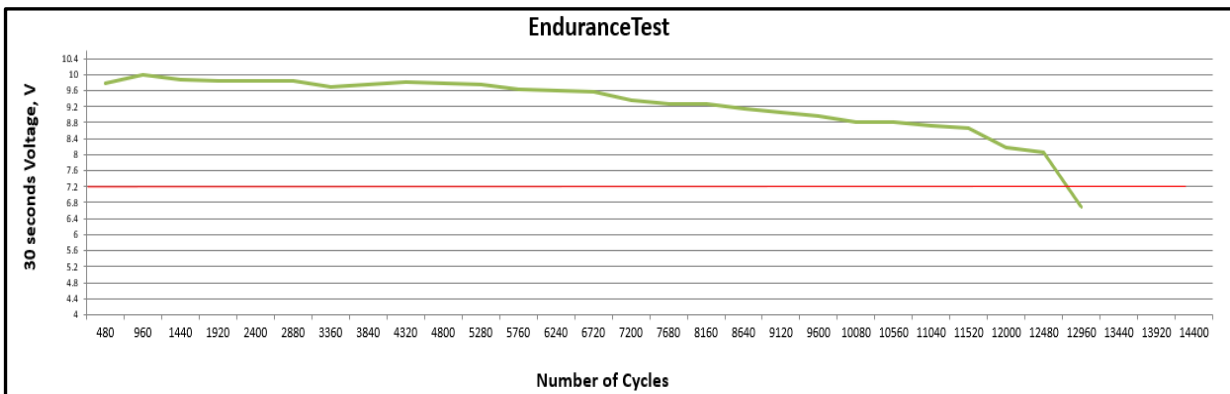
OVERALL DIMENSIONS	METRIC (mm)
LENGTH	304
WIDTH	173
HEIGHT (bottom to top cover)	203
TOTAL HEIGHT (bottom to top of terminal)	223
APPROXIMATE WEIGHT	22.6 kg

TERMINAL DATA	METRIC (mm)
TYPE	SAE
TERMINAL HEIGHT	18.5±1.50
BOTTOM DIAMETER	19.5+0/-0.3
TAPER	1:9
POLARITY	

### CAPACITY SPECIFICATIONS

COLD CRANKING AMPS (CCA)	735 CCA
	Test reference: AS2149:2003 Rated CCA DCH at 18°C for 30 sec
AMPERE-HOUR AT 20-HOUR CAPACITY	85 AH
	Test reference: JIS 5301:2006 Rated AH DCH at 10.5 V cut-off voltage
CAPACITY (RC)	150 mins
	Test reference: AS2149:2003 25 Amps DCH at 10.5 V cut-off voltage

VIBRATION TEST	No voltage fluctuation during the test; No visible sign of damage and no major mechanical failure
	Test reference: AS2149:2003
WATER CONSUMPTION	1.9 g/Ah
	Test reference: EN 50342-1:2015 Acceptance criteria <4.0 g/AH
ENDURANCE TEST	12785 cycles
	Test reference: JIS 5301:2006 at 40°C Acceptance criteria >4700 cycles



### PRODUCT DETAILS

PRODUCT CODE	MFX95D31R
CHARACTERISTIC	Lead-Acid Maintenance Free
GROUP SIZE	D31 / N70 / G27
CASE AND LID	Material : Polypropylene (PP)
	Handle : 1-pc PP handle
	Ledge : Recessed ledge on long sides
	Vent : Centralized venting on sides
ELECTROLYTE	36% H <sub>2</sub> SO <sub>4</sub> at 15°C
PLATE DESIGN	Lead-Calcium-Tin Alloy
	Cast-Framed Positives
	Concast-Framed Negatives



**42 Months Warranty\***

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### DIMENSIONAL SPECIFICATIONS

OVERALL DIMENSIONS	METRIC (mm)
LENGTH	304
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TYPE	SAE
TERMINAL HEIGHT	18.5±1.50
BOTTOM DIAMETER	19.5+0/-0.3
TAPER	1:9
POLARITY	

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ENDURANCE TEST	12785 cycles
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