# Color LCD Display Battery Tester MDXT-800

# User Manual



**Thank you for purchasing our battery tester,please read this manual carefully and save it for reference before using！**

**MDXT-800** Color LCD Display battery tester  is the newest version in 2022. It adopts the world's most advanced conductance testing technology to easily , quickly measure the health of battery and system condition.

**Advantage :**

1,Color LCD Display

2,All 12V Batteries AGM-GEL-SPIRAL-SLI

3,12V Lithium Battery Test

4,Adjust the backlight

5,QC Fast Testing

6,Exclusive patents testing cable

7,Test results can be stored as QR code

## Product specifications:

1.  Application: 12V lead acid type batteries and 12V&24V car system test
2.  Measure Range：

| Measure Standard | Measure Range |
|------------------|---------------|
| CCA | 40-3000 |
| BCI | 40-3000 |
| CA | 40-3000 |
| MCA | 40-3000 |
| JIS | 26A17--YTZ6 |
| DIN | 40-2000 |
| IEC | 40-2000 |
| EN | 40-3000 |
| SAE | 40-3000 |
| GB(Ah) | 3-360Ah |

3.  Working Environment Temp:-18℃-50℃
4.  Special test clip：Double conductor Kelvin clamp
5.  Housing Material：Acid-resistant ABS plastic
6.  The length of testing cables: 55cm

## Main functions:

① Battery Test
② Cranking Test
③ Charging Test
④ Set up
⑤ QC testing

You can press UP/DOWN key to choose

## How to use:

1. CONNECTION

Connect the red test clamp with positive electrode and the black one with negative electrode, the tester will power on automatically. Voltage battery below 7.0VDC can't be tested properly, then press ENTER key to continue.
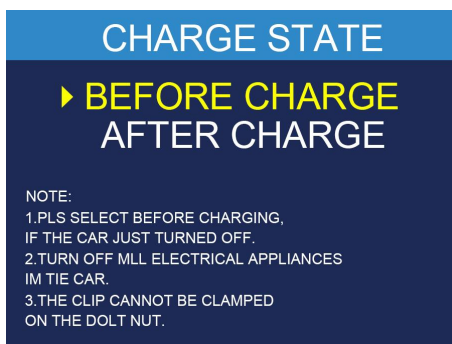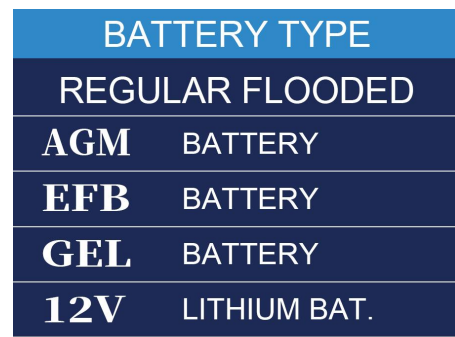


Connect clamps to battery electrode      Tester power on automatically

**Notes: Voltage over 30V will damage the tester .**

2. BATTERY TEST



a).Select the charge state                    b). Select battery type

| SELECT STANDARD | |
|---|---|
| CCA ✓ | EN(2) |
| SAE | IEC |
| JIS | Ah |
| DIN | MCA |
| BCI | CA |

VARTA
瓦尔塔·富电池
6-QW-60(580)-L
12V / 60Ah / CCA 580A
(L2-400 / H5-60-L-T2-M)

SETTING RATE

580

CCA

TEST RANGE:40-3000
HOLD ON THE KEY TO ADJUST GUICKLV

c). Select test standard

d). Input rated value

BATTERY STANDARD

TESTING

TEMPERATURE : 26℃
GOOD BATTERY

| HEALTHY | 85% | 535 CCA |
|---|---|---|
| CHARGE | 78% | 12.47V |
| INTERNAL R | | 5.59mΩ |
| RATED | | 580 CCA |

PRESS ENTER TO DISPLAY QR CODE

BATTERY TEST QR CODE
LancaL

e). Press "Enter" to start testing and get test results

f). Press "Enter" to display QR code

CRANKING TEST& CHARGING TEST

CRANKING TEST
LancaL

START ENGINE

PLEASE START THE ENGINE IN A MINUTE.

CRANKING TEST
LancaL

CRANKING TIME OUT
START ENGINE

PLEASE START THE ENGINE IN A MINUTE.

CRANKING TEST

CRANKING V NORMAL

CRANKING TIME

1252ms
10.61V

g).Start engine

h).Cranking test result

CHARGING TEST
LancaL

START ENGINE

PRESS ENTER TO CONTINUE.

RIPPLE TEST
LancaL

14.00V        15mV

RIPPLE TEST
LancaL

LOADED TEST

i). Start engine

j). Ripple test

| CHARGING TEST |
|:---:|
| INCREASE SPEED TO 2500 R/MIN, KEEP IT FOR 5 SECONDS, PRESS ENTER TO CONTINUE. |

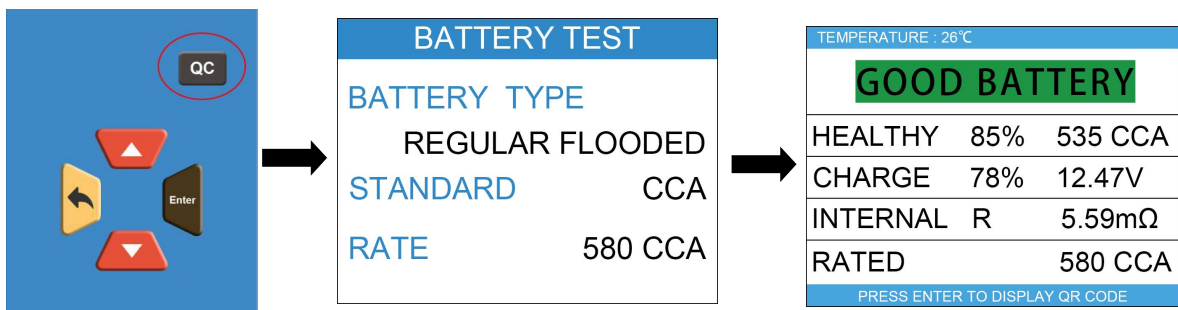| CHARGING TEST | |
|:---:|:---:|
| CHARGING V NORMAL | |
| LOADED  V | 13.89 V |
| UNLOADED  V | 13.93 V |
| PIPPLE  V | 15 m V |
| PIPPLE  V | NORMAL |

k).Increase speed to 2500R/MIN      l).Charging test result

3. SET UP

1)　Historical Data (Can review the latest record 20groups testing data)
2)　Adjust backlight
3)　User Manual
　　(can scan QR code to get a user manual electronic Edition)
4)　Language:
　　English, French, German, Spanish, Italian,
　　Portuguese, Russian,Polish,turkey,Dutch
　　（Notes: Other languages can be customized）

| LANGUAGE | |
|:---:|:---:|
| ENGLISH | ESPAÑOL |
| FRANÇAIS | DEUTSCH |
| ITALIANO | RUSSIAN |
| PORTUGUÊS | POLSKI |
| NEDERLANDS | TÜRKÇE |

4,QC testing
It can get test results with one click, which is suitable for testing batch batteries.

| BATTERY TEST | |
|:---|---:|
| BATTERY  TYPE | |
| REGULAR FLOODED | |
| STANDARD | CCA |
| RATE | 580 CCA |

| TEMPERATURE : 26℃ | | |
|:---|:---:|---:|
| GOOD BATTERY | | |
| HEALTHY | 85% | 535 CCA |
| CHARGE | 78% | 12.47V |
| INTERNAL  R | | 5.59mΩ |
| RATED | | 580 CCA |
| PRESS ENTER TO DISPLAY QR CODE | | |

a). Enter QC      b). Automatic default history input value      c). Test results

## After-sale warranty

1. One Year warranty
2. The product passed CE, RoHS certification with quality and safety assurance