



**CTEK MUS 4.3
TEST&CHARGE**

4.3 A



**COMPLETE
BATTERY
CARE**

ADVANCED CHARGER WITH UNIQUE BATTERY AND ALTERNATOR TESTING CTEK MUS 4.3 TEST&CHARGE

The MUS 4.3 TEST&CHARGE combines an advanced micro-processor controlled battery charger with a battery and alternator test function to provide the ultimate in battery testing, charging and maintenance.

Charging – The MUS 4.3 TEST&CHARGE provides excellent performance on batteries from 1.2Ah up to 110Ah. The charger solves a broad range of battery problems and features include a patented automatic desulphation program and a special reconditioning function that will revive and restore deeply discharged and stratified batteries. The patented Float/Pulse maintenance makes the charger ideal for long-term maintenance. The Recond and 'Snowflake' modes operate individually or together in both 0.8A and 4.3A programs providing great flexibility for the user.

Testing – Three easy to use programs to test battery voltage, start power and alternator performance to provide a complete picture of battery and vehicle charging system health.

The MUS 4.3 TEST&CHARGE is easy and safe to use, protects vehicle electronics, spark-free, reverse polarity protected and short circuit proof. The MUS 4.3 TEST&CHARGE features a 5 year warranty.

PROVISIONAL TECHNICAL DATA

INPUT VOLTAGE	100-115 VAC
CHARGING VOLTAGE	14.4/14.7/15.8 V
CHARGING CURRENT	Max 4.3 A
TYPE OF CHARGER	8 step, fully automatic charging cycle, 3 voltage test programs
TYPE OF BATTERY	12 V lead-acid batteries (Wet, MF, AGM, GEL)
BATTERY CAPACITY	1.2-110 Ah, up to 160 Ah for maintenance
INSULATION	IP65 (splash and dust proof)
ARTICLE NO	56-959

NOTE! ALL TECHNICAL DATA IS PROVISIONAL

- AUTO**
Fully automatic for optimal charging
- 12V**
For all lead-acid batteries
- 7**
FULLY CHARGED BATTERY
- 8**
Maintenance charging
- PROGRAM For charging small batteries
- PROGRAM For charging medium batteries
- OPTION For charging in cold conditions and AGM batteries
- RECOND**
OPTION Recondition of deeply discharged batteries
- BATTERY**
Test battery voltage
- START POWER**
Test battery starting power
- ALTERNATOR**
Test alternator charging performance

**5
YEAR
WARRANTY**



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CTEK

THE SMARTEST BATTERY CHARGERS IN THE WORLD



4.3 A



Complete Battery Care – unique and patented system to recover, charge and maintain all lead-acid battery types to maximise performance and extend life.

Safe and easy to use – User safety through spark free operation and reverse polarity protection. Vehicle electrical safety through exceptionally clean voltage and current delivery with no surges or spikes. No need to disconnect battery from the vehicle when charging.

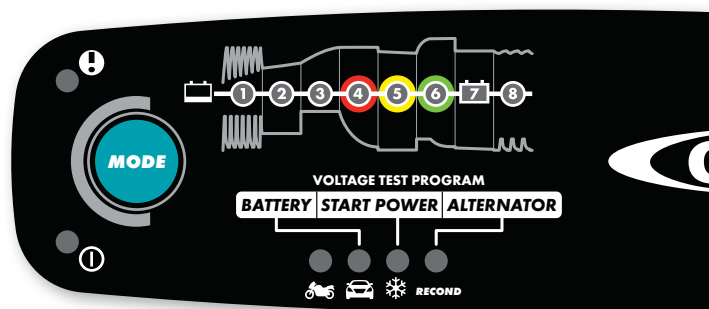
Connect and Forget – simple plug and play operation. Select the program and mode and leave the charger to do the rest.

Unique 8 Step Charging – the patented 8 step program tests battery condition and revives, charges and maintains to ensure maximum battery life and performance. RECOND recovers deep discharged and stratified batteries. FLOAT/PULSE maintenance ensures ideal battery care during periods of inactivity.

Tests Battery and Alternator – Three unique and simple to perform test programs to establish condition and performance of battery and vehicle charging system.

Extends battery life – the unique features of CTEK chargers combine to maximise performance and extend battery life.

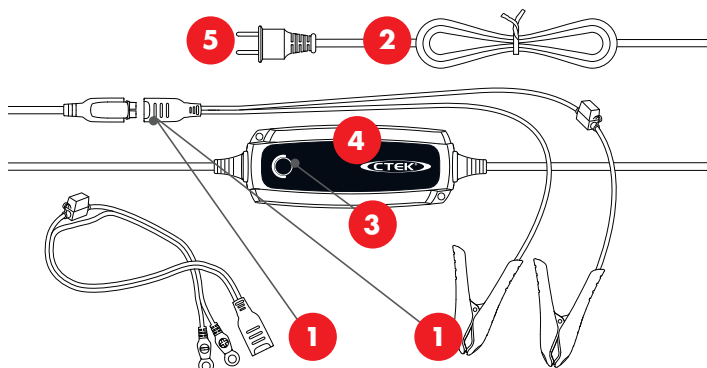
TESTING



1. Connect the charger to the battery
2. Press MODE to select a TEST program
BATTERY: testing battery performance
START POWER: testing battery performance when cranking engine
ALTERNATOR: testing alternator charging performance
3. Check the result:

	BAD ●	FAIR ●	OK ●
CHECK BATTERY	< 12.4 V	12.4–12.65 V	> 12.65 V
CHECK START POWER	< 9.6 V	9.6–10.5 V	> 10.5 V
CHECK ALTERNATOR	< 13.3 V	13.3–14.0 V	> 14.0 V

CHARGING



1. Connect the charger to the battery.
2. Connect the charger to the wall socket.
3. Continue to press the MODE-button to combine charging program or with charging options AGM OPTION and/or **RECOND** RECOND OPTION.

Press and release the MODE button several times until the desired combination of charging program (M/C, CAR) and option (RECOND, AGM) is lit.

4. Follow the 8-step display through the charging process.
 The battery is ready to start the engine when STEP 4 is lit.
 The battery is fully charged when STEP 7 is lit.
5. Stop charging at any time by disconnecting the mains cable from the wall socket.

UNIQUE 8 STEP CHARGING FROM CTEK



- STEP 1** DESULPHATION
- STEP 2** SOFT START
- STEP 3** BULK
- STEP 4** ABSORPTION, **BATTERY READY TO USE**
- STEP 5** ANALYSE
- STEP 6** RECOND
- STEP 7** FLOAT, **BATTERY FULLY CHARGED**
- STEP 8** PULSE, **MAINTENANCE CHARGING**