

# Instruction for charger

## 1).General introduction

(1).TMAP series charger is the features of convenient operations, reliable safety and high performance. (Note: TMAP series charger can be switched 12V, so it can charge 12V accumulators.).

(2).If being short circuit or overload, the charger will be switched off itself, and turn normal after one or two minutes.

(3).The output Voltage of the charger is very stationary, so it can protect the charger very well.

## 2).THE LED METER

Before charging,please first turn on the switch, connecting the charger clip to the battery,then connecting power.

RED LED illuminates the battery is collected to rightly.

YELLOW LED illuminates the battery is charging

GREEN LED illuminates the battery is charged

(Please note the collect sequence, first collecting the clip to the battery (red clip collecting +, black clip collecting -), second collecting the AC power,)

## 3).CHARGING TIMES

1. If the battery is in reasonable condition, it should be sufficiently charged to start a vehicle when the green LED indicator is illuminated.
2. Charging the battery overnight (10-13 hours) is usually enough to fully charge a flat car battery, although a vehicle may start after only a short period of charging. Do not charge your battery for more than 24 hours as this will cause deterioration of the battery cells.
3. Smaller capacity motorcycle batteries may not only need 4-6 hours to restore the battery to peak condition.

## 4).Technical parameters

TMAP1204K

Input:AC220V-240V 40W

Output:dc12V 2.8A(MAX 4A)

Frequency:50-60Hz

Battery capacity:15-80AH

## 5).Operation instructions

The operation are very convenient, put the red clip to the positive pole of the accumulator (indicated with +) and put the black clip to the negative pole (indicated with -), and then plug in power source, then accumulator will be charged.

## 6).Matters needing instruction

(1).It must work on AC220V to AC 240V condition

(2).The red clip and black clip should not be touched during charging to avoid short circuit.

(3).Please put the charger at draughty and dry place, and don't at high lighting place.