



TC MACHINERY CO., LTD.
6F-2, No.31-1, Sec 2, Hsin Sen North Rd,
Taipei 10458, Taiwan.
Tel: +886-2-25410850
Fax: +886-2-25431414
Email: tc@tcmac.com.tw
Website: www.tcmac.com.tw

Touch Control DC 360V 40A (6 circuits) Charger/Discharger

TC6CD360-40



* PHOTOS ARE FOR REFERENCE ONLY.

Description:

- This system is assembled by 6 circuits, each circuit can be controlled, operated, and directed independently.
- Application: Charge and discharge batteries for unformed or formed plates.

Features:

- Functions of each circuit:
 - (1) voltage : max DC 360.0V
 - (2) Output current : DC 1.0~40.0A, continuously settable.
 - A. Charging : CC (constant current), V/T (voltage and time dual control), LV (limit voltage), Hold (idle), Repeat (cycle repeat)
 - B. Discharging : CC (constant current), CP (Constant Power), FV (final voltage), V/T (voltage and time dual control), Hold (idle), Repeat (cycle repeat)
 - (3) Control function: CC (constant current) and Hold.
 - (4) Accuracy : 1% (full scale).
- In case of cut-off of power source during operation, the accumulated working time will be memorized automatically. The machine will start automatically after power recovery and continue to accumulate time.



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- This system is edited, started/stopped, and displayed by a touch panel.
 - (1). Each circuit can be set 10 steps at most and each step can freely set charging / discharging / hold, working current, and working time (0~99H59M59S, settable.) to achieve continually automatic process.
 - (2). User can edit and save 56 programs in advance. Just call the wanted program and check again before starting up.
 - (3). During operation, the monitor can show the information including executing program number, step, status(CH. DISCH. or Hold), remaining operation time(xxHR, xxMIN, xxSEC), and voltage/ current of each circuit.
- Protection device :
 - (1). AC input NFB
 - (2). High speed fuse.
 - (3). Automatic trip for lack of power phase.
Self-correction for reverse power phase.
 - (4). Surge absorption.
 - (5). Soft start up.
 - (6). Protection for reverse polarity of battery.
 - (7). Prevent reverse current at the end of process.
 - (8). Over current
- Each circuit includes one 1CH 15cm anti-acid thermo sensor. (Signal wire is 1 meter long, if the wire is not long enough, users shall handle by themselves.) This thermo sensor can be used to measure temperature in water tank or electrolyte in battery cell.

Temperature control :

Sensor range : 0°C~+100°C

Control range : 0°C~+100°C

Deviation : 100°C ±3%

* If temperature exceeds setting value, machine will stop automatically with alarm.
- Cooling method :
 - (1). SCR : air cooling
 - (2). Transformer : air cooling
 - (3). Reactor : air cooling
- Spare parts: fuse x 100%