

K-3986 Charger/Discharger Complex

---Not only a Charger or Load Unit for Battery String



K-3986 is a series customized comprehensive units with one-stop-solution for battery maintenance. With charging and discharging for the same battery string, it will greatly simplify your maintenance for batteries. Extra functions like wireless online monitoring and battery activation will enable you to know your batteries comprehensively.

Feature

- ◆ Suitable for all battery types including 1.2V, 2V, 6V and 12V
- ◆ Multi-function in one unit: charging, constant current discharging and battery string activation
- ◆ Multi-condition for operation auto stop: time out, maximum capacity, minimum voltage threshold (for battery or string)
- ◆ Lag-out batteries could be automatically sorted, and activation function is used to enhance their performance
- ◆ Optional wireless DAC enables real-time PC monitor for measurement
- ◆ State-of-the-art technique of soft-off for battery charging
- ◆ Graphical display, showing test result with curves
- ◆ Over voltage protection and under voltage warning function
- ◆ Thermal protection, auto stop in overheating and auto start in normal temperature
- ◆ Powerful data view software for complex data analyzing and report printing
- ◆ Various models applicable to different area of industry like telecom and power utility

Technical Parameter

Parameter	Testing Range	Resolution & Accuracy
Total discharge voltage	10~264V (Nom: 220V) 10~132V (Nom: 110V) 10~55.2V (Nom: 48V)	Resolution: 0.1V Accuracy: 0.5%
Total charge voltage output	176~288V (Nom: 220V) 90~143V (Nom: 110V) 40~57.6V (Nom: 48V)	Resolution: 0.1V Accuracy: 0.5%
Charge/discharge cell voltage	0.000V~16.00V	Resolution: 0.1V Accuracy: 0.5%
Operating Time	0~99h 59m	

Note: This parameter is based on some common models. Measurement range might be different as per different units.

Specification

Mains: 100-240VAC, 50/60Hz or AC 380V, 3 phase

Temperature: 0°C~40°C (Operating)

Humidity: 5%~90% Relative Humidity

Display: 128*64 pixel LCD screen

Standard: CE market, EMC standard, LVD 60335

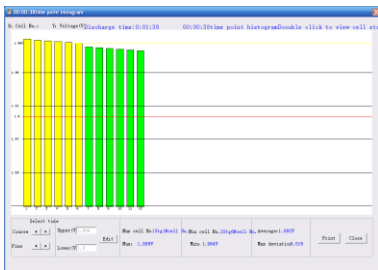


Optional Data Acquisition Case (DAC)

Each DAC is recording voltage of up to 12 cells. It has wireless communication with K-3986 main unit and PC. And it is capable to measure all type of batteries (1.2V, 2V, 6V & 12V). Kongter also offers customized DAC for other battery types. DAC numbers are easily expandable to cover more battery volumes.

Its Connection:

One DAC is connected with 12 cells of 1.2V, 2V or 4 cells of 12V (or 6V). Therefore, in different battery systems, they require different amount of DACs. With DAC, K-3986 and Kongter PC software will be able to monitor and record voltage of each cell together with other parameter like String Voltage, Current, Discharge Capacity and so on.



Kongter PC Software

All standard load units of K-3986 come with PC software. With the software, you could have a real-time data monitor for the whole process of discharge, analyze the measurement data and easily print out the complete report.

Ordering Information

CODE	Description	Dimension & Weight (main unit)
DCC-22001	For battery 220 VDC Discharge current: 0-50A Charge current: 0-30A	L550*W440*H565mm 32kg
DCC-11001	For battery 110 VDC Discharge current: 0-100A Charge current: 0-40A	L550*W250*H450mm 32kg
DCC-4801	For battery 48 VDC Discharge current: 0-150A Charge current: 0-50A	L401*W177*H368mm 19kg
DCC-4802	For battery 48 VDC Discharge current: 0-200A Charge current: 0-100A	L550*W250*H450mm 21kg

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