

PITE 3990 Battery Charger/Discharger Complex (General Info)

Not only a Charger or Load Unit...

PITE 3990 series are complex units which provide 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. What's more, it is simple-to-use, rugged and portable which will be extensively cost effective and time-saving.



Features

- ◆ Light weight, most models are portable within 20kg
- ◆ Suitable for all standby batteries and power batteries: 2V, 6V and 12V
- ◆ Multi-function in one unit: it uses 3-phase charging, constant current discharging, cell test, optional online monitor and battery activation
- ◆ Multi-condition for operation auto-stop: time out, maximum capacity, minimum voltage threshold (for battery or string)
- ◆ It adapts PTC ceramic resistor which secures your discharging
- ◆ Lag-out batteries could be automatically sorted, and activation function is used to enhance their performance
- ◆ Instead of merely a load bank, it has optional wireless communication to monitor each battery voltage in discharging
- ◆ State-of-the-art technique of soft-off for battery charging
- ◆ Graphical display, showing test result with curves
- ◆ Direct USB drive for convenient data transfer to PC
- ◆ 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 discharging voltage	96~270V (Norm: 220V) 48~135V (Norm: 110V) 21~58V (Norm: 48V)	Resolution: 10mV Accuracy: 0.1V
Total charging voltage output	180~286V (Norm: 220V) 88~143V (Norm: 110V) 38~62V (Norm: 48V)	Resolution:10mV Accuracy:0.1V
Charge/discharge cell voltage	0.000V~16.00V	Resolution: 1mV Accuracy: 10mV
Operating Time	0~99h 59m	



Specification

Mains: 100-240VAC, 50/60Hz or AC 380V, 3 phase 4 wire
 Temperature: 0°C~40°C (Operating)
 -30°C~70°C (Storage and transportation)

Case for models of 11001, 4801 and 4802

Humidity: 5%~90% Relative Humidity
 Display: 128*64 pixel LCD screen
 Safety standard: CE market, EMC standard

Optional Data Acquisition Case (DAC)

DAC is optional for wireless communication with PITE 3990 main unit and PC. One DAC could be connected 12 cells of 2V or 4 cells of 12V (or 6V). With DAC, PITE 3990 and PITE DataView software will be able to monitor and record voltage of each cell during battery discharging. Without DAC, overall voltage will be recorded instead of voltage for each cell.

DAC for reference →



Ordering Information

CODE	NOTE	Description	Dimension & Weight (main unit)
DCC-22001	With DAC	For battery 220 VDC	L550*W440* H565mm
DCC-22001-1	W/O DAC	Max discharge current: 30A Max charge current: 15A	32kg
DCC-11001	With DAC	For battery 110 VDC	L550*W250* H450mm
DCC-11001-1	W/O DAC	Max discharge current: 80A Max charge current: 40A	19kg
DCC-4801	With DAC	For battery 48 VDC	L401*W177* H368mm
DCC-4801-1	W/O DAC	Max discharge current: 150A Max charge current: 50A	19kg
DCC-4802	With DAC	For battery 48 VDC	L550*W250* H450mm
DCC-4802-1	W/O DAC	Max discharge current: 200A Max charge current: 100A	19kg

Contact PITE

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