

BaSyTec XCTS

Cell Test and Formation System



Cell Test and Formation System
25A or 50A output current
with energy recovery

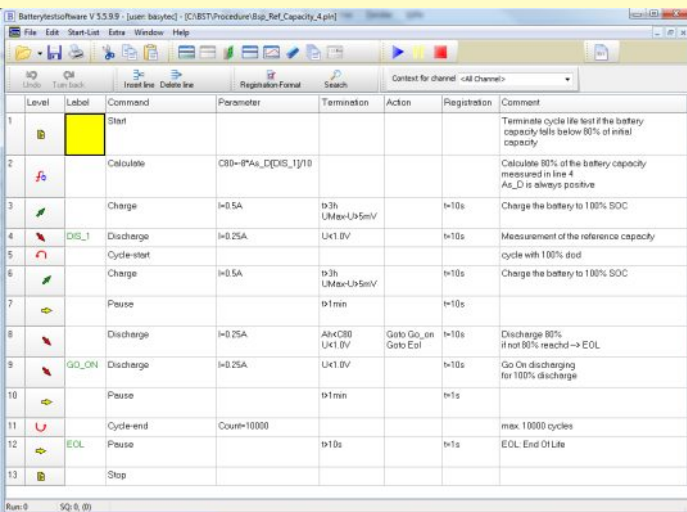
BaSyTec XCTS Cell Test and Formation System

Main Features

The BaSyTec XCTS Cell Test and Formation System is a cost effective solution for the test and formation of large numbers of Li cells with up to 25A or 50A.

Because of the innovative switched design with energy recovery heat generation is much reduced which results in low working expenses.

Nevertheless the system offers high precision and speed and is controlled by the well known BaSyTest Software.



Applications

- Test of large lithium cells
- High power test of lithium cells
- Pulse test of lithium cells
- Formation of lithium cells
- Cell matching

Technical Data

Type	25A	50A
Max. current	25A	50A
Chan/unit	12 or 24	6 or 12
Voltage	0V - 4.5V	
Min. disch. volt.	0.8V	
Resolution U	0.1mV	
Resolution I	1mA	2mA
Precision U	2.5mV	
Precision I	50mA	100mA
Measurement U	4-wire	
Measurement per channel	Voltage current temperature	
Temp. input type	NTC 5k	
Time resolution	1µs	
Rise time	< 10ms	
Min. pulse length	10ms	
Current ripple	< 0.1%	
Voltage ripple	< 0.5mV	
Control mode	Current Voltage Power Resistance Combinations	
Software	BaSyTest	
Interface	Ethernet	
Connector	D-SUB 7W2	Phoenix PC16
Width	450mm (19")	
Height	180mm or 310mm	
Depth	500mm	

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