



## Regenerative Portable Battery Module Test System



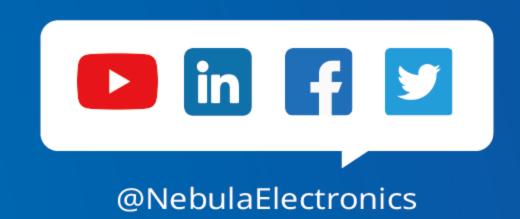
MODEL NO.

BAT-NEEFLCT- 300100PT-E002

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Channel	1
Voltage	0~300V
Current	±120A
Power	20 kW
Current Rise/Fall Time (10%-90%)	≤10ms
Parallel Connection	Not available
Regenerative Efficiency	92.8%
Driving Profile Simulation	50ms
BMS Add-on	Dedicated 12V power supply for BM
	CAN DBC file import
	Communication via CAN or RS485
Input Power	3x208 V ±10% 60 Hz ±5% US
	3x380 V ±10% 50 Hz ±5% China
	3x380 V ±10% 60 Hz ±5% Korea
	3x400 V ±10% 50 Hz ±5% EU
	3x440 V ±10% 60 Hz ±5% Japan
	3x480 V ±10% 60 Hz ±5% US
Voltage Accuracy	15~35℃: ±0.02% F.S.
	0~45℃: ±0.05% F.S.
Current Accuracy	15~35℃: ±0.02% F.S.
	0~45℃: ±0.05% F.S.
Sampling Interval	10ms
Auxiliary Voltage Acquisition	32CH*N (Optional) 0~10V
Dimensions	W*340mm x L*600mm x H*696m
Weight	60 kg
Internal BMS Output	12V3A
Operating Temperature	0°C-45°C
Cooling	Air
Relative Humidity	0%-85%
Protection Class	IP21
Communication interface	CANFD/RS485/Ethernet/BMS

Control and Automation Software	
Control and Automation SW	NEPTS: preloaded on industrial PC;
	life-time upgrade eligibility
HMI Option	Touch Screen, External Control PC or
	mobile phone
User Management	Multi-user access right
External Device Management	External measurement devices can be
	added (e.g. climate chamber, chiller,
	auxiliary V/T acquisition device)
Interface Configuration	Support configuration of
	Ethernet/CAN/RS485/USB3.0
Operation Modes	Constant Current, Constant Voltage,
	Constant Power, Constant Ramp,
	and Pulse Resistance
Test Sequence Editing	User Definable Variable
	Formula Device
	(cyclic calculation)
	Condition-based Step
	(e.g. if/else)
	Upper Limit Monitoring based on
	Max. Current, Voltage, Power,
	Temperature
Data Plotting and Visualization	Integrated Data Explorer/Viewer
	in form of both numeric table
	and graphical illustration
	(customizable)
Data Export Format	TXT, EXCEL, CSV, MDF3
Data Starage Option	LICD Ctick



Control and monitor third-party hardware such as temperature chambers, pumps, flow meters, heaters, valves, etc.



View, plot, and analyze battery test data in real-time, providing immediate information and insights



Data Storage Option

An easy way to add test steps, set control type and value, set termination conditions, and customize simulation profiles



Communicate with an internal battery management system (BMS) via CAN bus or SM bus protocol



Local or Network Drive

USB Stick

Parallel any number of channels to increase current handling, while automatically compiling data



Review test data and export data into CSV or Excel format through Nebula NEPTS software

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