

c-Go Battery Test System

The c-Go Battery Test System from IVRA Electronics will make 12V and 24V battery tests and/or reconditioning easy and efficient. The device has a 7" touchscreen and intuitive menu which make the device easy to use. To run a test just connect the cables and temperature sensor to the battery, set the right testing parameters and press start. Our device will do the rest for you. The Battery Test System is able to test both lead-acid (Gel/AGM) and lithium batteries and show a detailed report on the 7" touchscreen when the test is completed. The results can be written to a flash drive. The results and the real time data can also be transmitted to a PC/laptop by a USB cable, for detailed analysis. An additional feature of this battery test system is the ability to test 12V and 24V chargers.

SPECIFICATIONS

GENERAL

BTS Type

	4-channel	2-channel
Dimensions	440 x 350 x 178 mm	
Mains voltage	200 – 250Vac (nominal single phase)	
Mains frequency	50/60 Hz	
Battery channels	4	2
3.5mm jack battery temperature sensor inputs	4	2
Number of internal chargers	3	2
Internal charger nominal voltages	12V/24V/combination	
Output voltage range (charging)	0-18V(12V) or 0-36V(24V)	
Output current range (charging)	0-20A(12V) or 0-12A(24V)	
Number of internal discharge units	1	
Internal discharge unit nominal voltages	12V/24V	
Internal discharge unit current	0-40A	
Internal discharge unit maximum power	600W	
	Above 35 °C ambient temperature the maximum discharge power is derated	
Battery discharge rate (C5)	20-200 Ah (User configurable)	
Supported battery voltages	12V/24V	
Discharge current measurement accuracy	< 1% Full Scale	
Discharge voltage measurement accuracy	< 1% Full Scale	
3.5mm jack serial input	1	
Female USB2.0 type A port for flash drive	1	
USB flash drive format	FAT32	
Touchscreen	7 Inch	
Firmware upgrade	Yes, using USB cable	
Cooling	Active, 4 fans	Active, 3 fans



GENERAL

Use	For indoor use only
Ambient temperature range, active	0 – 40°C
Ambient temperature range, storage	-15 - +50°C
Maximum air humidity	95% (non condensing)
IP class	IP20
Standardization	CE (EMC, RoHS)
Standards	EN-61326-1, EN61010-1, EN 60335-2-29

SUPPORTED BATTERIES

Battery types	Gel / AGM / LiFePO4
Battery nominal voltage	12V / 24V (if internal 24V charger present)
Battery C5 capacity	20 – 200 Ah
Charge current (main charge phase)	Max. 29% of C5 capacity
Charge voltage (absorption phase)	Gel: 14.4V(12V) or 28.8V(24V) AGM: 14.7V(12V) or 29.4V(24V) LiFePO4: 14.4V(12V) or 28.8V(24V)
Charge current (post charge phase)	Gel: 10% of main charge current AGM: 25% of main charge current LiFePO4: no post charge
Discharge current	Max. 20% of C5 capacity
End of discharge voltage	10.5V (12V) / 21V (24V)

SUPPORTED EXTERNAL CHARGERS TO BE TESTED

Charger nominal voltage	12V / 24V
Test voltage	12V / 24V
Max. test charger current	40A (12V) / 20A (24V)

