

# Intelligent Charging

## Battery Charger / Analysers

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are advanced electronic products,  
designed using the latest technologies for applications  
where battery performance and reliability is vital.

The range includes products for heavy duty commercial use,  
through to specialist aviation and military units.

These units charge and capacity-test all battery types, with charging voltage from  
1.2 to 40 volts. Charge & test parameters are stored internally for subsequent operations.



Model MB73+

Military technology... at a commercial price. A universal charger/analyser for all battery types.



Model IC50A

Advanced model for fast automatic charging of aviation batteries. (50 amps at 24 volts).



Model TS1340+

A military design – most rugged of the Intelligent Charging range.



Model TS25 Mk2

Twin channel charger / analyser for busy workshops. Proven worldwide in military & commercial aviation.



Model AD120

Extra high current capacity tester



Model TS2X020

Lightweight twin-channel constant-voltage charger for 12/24v batteries



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### Brief Technical Specifications (See datasheets for full details)

Model:	Battery voltage	Charge current	Cap-test current	
MB73+	24V 12V	15A 30A	40A 60A	Low-cost, high performance universal battery charger / analyser for aviation and industrial uses. Fully automatic. Works with all battery types. Memory stores battery charge & test parameters. Optional built-in printer.
MB73P+	24V 12V	25A 50A	50A 60A	Same as model above, but higher charge & capacity test currents.
IC50A	24V 12V	50A 50A	50A 60A	Same as model above, with MB73+ technology, boosted to charge 24V batteries at 50 Amps
TS1340+	24V 12V	25A 50A	50A 60A	A ruggedised military charger / capacity tester. Works with all battery types. UK MoD tested for use on warships & submarines. NATO Stock No: NSN 6130-99-391-3441
TS25 MkII	2 x 24V 1 x 24V 2 x 12V 1 x 12V	12A 24A 12A 24A	25A 50A 25A 50A	Aviation /military unit with twin independent channels, which can be combined. Works with all battery types. Standard ground equipment for BAE Hawk jets worldwide. NSN 6130-99-481-9367
TS2X020	2 x 24V 2 x 12V	20A 40A	Charge Only	A compact & portable twin channel constant-voltage charger with universal 90-250V / 40-400Hz power input. NSN 6130-99-641-9386
AD120	72V 24V 12V	CapTest Only	100A 100A 100A	VERY heavy duty capacity tester, built for demanding military requirements. NSN 6130-99-591-1740



To discuss your battery charging and testing issues, and to discover how a standard or bespoke **Intelligent Charging** solution would help your operations, contact:

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Certificate No. FMS35034

Check our website [www.intelligent-charging.com](http://www.intelligent-charging.com) for compatibility with popular battery types.

#### After-sales services:

CasC Systems Ltd provide a rapid turn-round service for after-sales work on all **Intelligent Charging** products, and also these branded products: Mead Aviation / Innovation Dynamics / Alphadata Designs.

The company is BSI accredited with the ISO9001:2000 Quality Standard, and all work is performed in our own workshops.

**Calibration:** Units should be calibrated and tested annually, to ensure correct performance. We normally despatch within 24 hours of receipt, with test results and a numbered calibration certificate.

**Servicing and repairs:** All new Intelligent Charging units come with a full one years back-to-base warranty. Phone advice is available during working hours, to help with any technical issues. If repairs are needed, our trained staff can quickly diagnose and repair non-conforming units so that down time and AOG situations can be prevented. After routine maintenance or repair, the units go through a rigorous burn-in test to ensure correct operation and reliability. Once tests are complete, the units undergo our standard calibration procedure, before being returned.

**Spares:** Spare parts for all current units are available on request. We also supply non-standard cable sets, and a calibrating shunt which allows simple on-site calibration.

#### Custom services:

CasC Systems Ltd boasts many years of technical expertise in the battery charging and capacity testing marketplace. Using our design know-how and our modular construction methods, we can provide bespoke units to suit specialist applications in a very short timescale, in large or small quantities. E.g: we have produced 'specials' in stainless steel, and fully sealed units. If you have a charging or capacity-testing requirement and cannot find what you want "off-the-shelf", then contact us with your requirements.

As a innovative electronics design company, we are able to provide solutions to many technical problems throughout the aviation world and the entire spectrum of industry.