

BENEFITS

Time saving and reliable

Installation on the rectifier : space saving in your cabinet.

Display and push buttons can be mounted on the front panel or directly on the ALPHA.

Connexions between the elements are made using the supplied ribbon cables. Quick and error-free wiring.

Capabilities and simplicity

Recognition of the connected rectifier.

User-friendly human-machine interface.

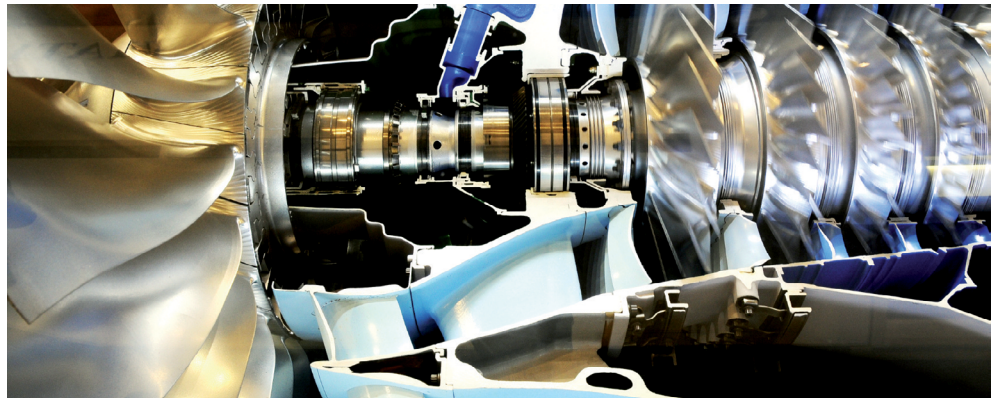
Numerous parameters accesible and modifiable via drop-down menu.

Automatic boost and cyclic test.

Temperature compensation with optional remote sensor.

5 input and 5 output card for easy operation.

The Chloride® QUARTZ supervisor kit can be combined with the Chloride® ALPHA range of rectifiers. Designed to be integrated into a cabinet or enclosure, it can be used to create charger-battery units with a large number of possible configurations.



The supervisor contains a number of automatic functions that allow optimum battery monitoring to ensure the best possible battery life. The integrated monitoring will allow the user to be informed of potential events in his system to ensure the reliability and continuity of your installations.



Display

Height: 169 mm
Width: 140 mm
Profondeur : 33 mm



Support plate

Height: 195 mm
Width: 167 mm
Depth: 2 mm



Height: 83 mm
Width: 91 mm
Depth: 50 mm

DIN rail mountable input/output card



26 / 20 points
20 cm

Supervisor to Alpha charger connection sheets



16 / 16 points
150 cm

Card connection layers input/output to supervisor



Supervisor

Height: 195 mm
Width: 200 mm
Depth: 37 mm



Display and Supervisor

Height: 195 mm
Width: 200 mm
Depth: 70 mm



10 / 10 points
140 cm

Connection table of the display to the supervisor for remote installation

Code	Reference	Designation
6009213	Quartz supervision kit 12 / 24 V	Quartz supervision kit
6007981	Quartz 48 / 240 V supervision kit	Quartz supervision kit
6007982	Temperature sensor kit	Temperature probe kit
6011887	RS 485 serial interface kit	RS 485 serial interface

Functions	
Display of output values and battery	It is strongly recommended to limit the charging current of the battery to 10% of its capacity in Ah for lead acid batteries. The Alpha chargers have an independent current regulation for the battery, which allows to adjust the current to the battery whatever the current consumed by the use. This adjustment is made by a potentiometer accessible on the front panel.
Boost	The Quartz supervisor automatically switches to boost voltage when the battery has been discharged for more than 3 minutes. The supervisor automatically returns to the floating voltage after a sufficient recharge.
Alarm reporting	The input/output card has 5 relay outputs for signalling the status of the charger and the battery. The Quartz Supervisor also displays faults and alarms, and the most critical faults are stored in the Quartz Supervisor.
DC voltage monitoring	The Quartz supervisor continuously monitors the DC voltage of the battery. Any regulation fault is reported and the rectifier is tripped. Consideration of the ventilation fault in the battery room. These protections protect the whole installation from any dangerous gassing.
Battery circuit test	This test checks the continuity of the battery circuit. It is performed automatically and cyclically every 24 hours.

General characteristics	
DC input power supply	From 18 to 300 Vdc - 6 watts
LCD display	2 lines of 8 characters
Navigating the menus	4 push buttons
Relay capacity	1 A - 250 Vac
Operating / storage temperature	0 °C to 50 °C / - 45 °C to + 85 °C
Protection	IP 20

Standards	
Compliance	DBT 2006/95/CE - EN 60950
	DCEM 2004/108/CE - EN 55022
	Battery protection NFC 58-311