

BATTERY CHARGING EQUIPMENT FOR FREQUENCY
STANDARD OUTFITS FSA, FSC

FSA
FSC

SUMMARY OF DATA

PURPOSE

The Cabinet, Electrical Equipment is designed to house two Chargers-Battery, each consisting of 21 nickel-cadmium alkaline cells with provision for cycling the cells alternately on charge and discharge.

BRIEF DESCRIPTION

The Cabinet, Electrical Equipment has two separate mains supplies; one for the anti-condensation heaters and the other for the two battery chargers. Mains availability is indicated by two neon lamps on the top of the cabinet. Facilities for a remote alarm circuit in parallel to each charger-battery is incorporated.

Each charger-battery accommodates 21 nickel-cadmium cells, NSN 6135-99-850-9846 (Sonotone Type S193, size D) and provides charge/discharge facilities.

The constant-current charging circuit ensures that the total circuit impedance, and therefore the charging rate, remains constant irrespective of the state of the cells being charged.

A discharge cut-out circuit is provided during the discharge cycle to initiate an alarm sequence on falling to a pre-determined voltage. A monitoring facility is provided to check the condition of individual cells on load.

MAJOR UNITS

- NSN 6130-99-519-1625, Cabinet, Electrical Equipment.
- NSN 6130-99-519-1624, Charger-Battery (1)
- NSN 4540-99-580-1646, Heating Element.

PHYSICAL DATA

	<u>Height</u>	<u>Width</u>	<u>Length</u>	<u>Weight</u>
Cabinet, Electrical Equipment	31 in	22-9/16 in	21 1/2 in	145 lb
Charger-Battery (1)		17 in	15 in	42 lb
Charger-Battery (2)		17 in	15 in	42 lb

POWER REQUIREMENTS

115 V or 230 V single phase, 50 Hz, 30 W.

HEAT DISSIPATION

30 W per charger-battery

HANDBOOK

BR 2460

ESTABLISHMENT LIST

E 1420

INSTALLATION SPECIFICATION

919 PRE, Vol. 1. APP. A.