SUNNY
LIGHT FOR LIFE

Central Battery Systems - CCU 12V Series (Figure D)

Model : CCU12-620

Product Overview

Central Battery Systems by CCU 12V Series or the central control unit is used to detect any abnormalities of the main power distribution system. In case of error or emergency, the unit is designed to allow the emergency lighting system to bear large loads or larger loads than that the automatic emergency light (complete unit) can. The 12 VDC unit is compatible with halogen lamp or MR16 LED lamp. The unit installation and usage are centrally controlled so that it supplies power to the lamp installed.

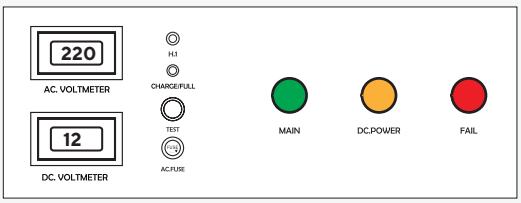
Technical Specifications

Mode of Operation	Non-Maintained
Input Voltage	220VAC / 50Hz ± 10%
Output Voltage	12VDC
Maximum Power Load	620W
Battery Type / Capacity	Sealed Lead-Acid Maintained Free 12V-130Ah
Protections	- AC. Fuse - AC, DC Circuit Breaker - Output Circuit Breaker - AC. Input Over & Under Voltage Protection - Battery Low Voltage Cut-Off
Testing Systems	Manual Testing
Charging Mode	Constant Voltage & Limit Current
Charging Time	10 -15 Hrs
Backup Time	2.0 Hrs
Housing	Electro-galvanized steel sheet 1mm. thick with epoxy powder coating
Dimensions (LxWxH)	620 x 350 x 750 mm
Weight	76.00 Kg
IP Rating	20

Features

- Operate for 2.0 hours on backup time
- Allowing testing with a switch on the front panel
- Automatically recharged with constant voltage and limited current
- Battery overcharge protection circuit prevents overcharge which is the cause of battery swelling
- Battery discharge protection circuit prolongs the battery life
- AC fuse prevents input short circuit
- DC fuse prevents short circuit on the battery or the load side
- Under voltage protection circuit allows the unit to automatically activate the emergency light in case any fault occurs in the the main power distribution system or in case of power failure (140-160 VAC)

Indicators



AC. VOLTMETER	▶	Indicating the input voltage
DC. VOLTMETER	▶	Indicating the battery voltage
LED **H1**	▶	Indicating the status of the input under voltage or over voltage
LED **Charge/Full**	▶	Indicating the status of battery charging/ full
SWITCH **TEST**	▶	For testing the device availability (during normal circumstance)
AC. FUSE	▶	Short-circuit protection of AC input
LED **MAIN**	▶	Indicating the normal operating voltage range of input
LED **DC.POWER**	▶	Indicating the normal operating voltage range of output
LED **FAIL**	▶	Indicating the failure warning of the control unit

Dimensions (mm)