



Product Overview

Central Battery Systems by Inverter 220V Series is used to detect any abnormalities of the main power distribution system. In case of error or emergency, the unit will convert the battery voltage stored in the chemical form into the electric power and supply it to the inverter where the DC voltage from the battery will be converted into the AC voltage at 220VAC 50Hz to turn on the emergency light. On the other hand, when the main power distribution system resumes its normal operation, the unit will stop supplying the backup power and start recharging the battery for later use in case of another error or for the emergency light test.

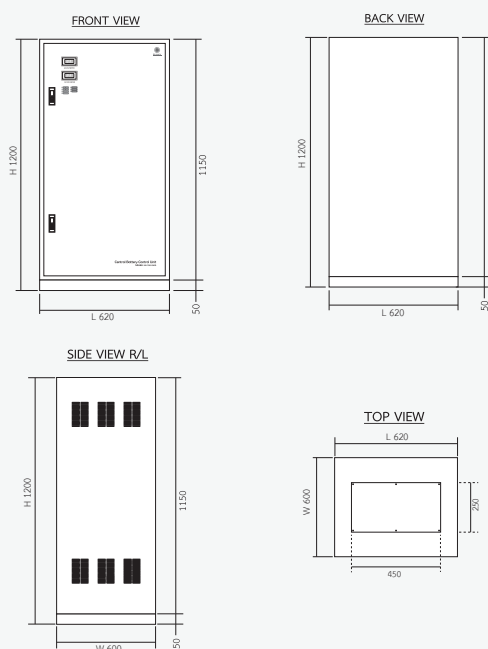
Technical Specifications

Mode of Operation	Maintained and Non-Maintained
Input Voltage	220 VAC / 50Hz \pm 10%
Output Voltage	220 VAC / 50Hz \pm 2%
Wave Form	Pure Sine Wave
Load Capacity	2000 W @ P.F = 1 1600 W @ P.F = 0.8
Battery Type / Capacity	Sealed Lead-Acid Maintained Free 48V-150Ah (12V-150Ah x 4)
Protections	- AC. Input & Output Circuit Breaker - DC. Circuit Breaker - AC. Input Under Voltage Protection - Battery Low Voltage Cut-Off
Testing Systems	Automatic Testing System
Charging Mode	3 Step Charger System
Charging Time	\leq 24 Hrs
Backup Time	2.0 Hrs
Housing	Electro-galvanized steel sheet 1mm. thick with epoxy powder coating
Dimensions (LxWxH)	620 x 600 x 1200 mm
Weight	214.00 Kg
IP Rating	20

Features

- Operate for 2.0 hours on backup time
- Battery charge automatically with 3 Step Charger Constant Voltage, Limit Current and Flip-Flop Charger
- Battery overcharge protection circuit prevents overcharge which is the cause of battery swelling
- Battery discharge protection circuit prolongs the battery life
- Under voltage protection circuit allows the unit to automatically activate the emergency light in case any fault occurs in the main power distribution system or in case of power failure (140-160 VAC)
- Automatically enabling a 30 minutes test every 30 days
- Battery Sound Indicator is a system that warns the status of the machine by sound signal, there are 3 systems: Battery Low Voltage, Battery Charging Fail and Battery Fail

Dimensions (mm)



Indicators



AC.VOLTMETER



DC.VOLTMETER



- AC.VOLTMETER ▶ Indicating the input and output voltage
- DC.VOLTMETER ▶ Indicating the battery voltage
- LED AC.Input ▶ Indicating the status of the input voltage of 220 Vac
- LED DC.Input ▶ Indicating the status of the battery power into the device
- LED Operate ▶ Indicating the operation status of the inverter unit
- LED Testing ▶ Indicating automatic battery discharge status
- LED Charging ▶ Indicating charging status
- LED Battery Fail ▶ Indicating the failure status of the battery
- LED Charge Fail ▶ Indicating the failure status of the battery charging