



Battery/Charger System Upgrade for CL 600/601

No Maintenance Sealed Lead Acid Battery



High Reliability Battery Charger

Challenger 600 and 601 operators: Save money and improve performance with a main ship battery system upgrade! Securaplane's STC approved combination of Securaplane's smart battery chargers and Pure Lead batteries by Hawker Energy reduces maintenance costs and dramatically improves system reliability.

Battery Advantages:

- True "no maintenance" battery
- Hot and cold performance far exceeding that of any other aviation battery
- Long life and enhanced performance due to unique pure lead plate design
- 30 month full replacement warranty on batteries after installation, 24 months storage prior to installation
- Internal battery monoblocks are replaceable at less than the cost of a new battery
- Ships fully charged and ready to install

Certification:

STC'd and PMA'd on Challenger 600 and 601 series



Securaplane is the master distributor and Design Authority of aviation batteries for Hawker batteries in North America.

Charger Advantages:

- Patented "Inflection Point" charging
The ability to detect the "inflection point" ensures that the battery receives the optimum amount of charge for all combinations of temperature conditions and state of charge.
- 3 Charging Modes
- Extensive diagnostics with built-in alphanumeric display
- Reduced weight
- 5 years full replacement warranty

30,000 hours MTBF

CL600/601 Installation Kit:

BC-1306 Battery Charger



Battery/Charger System Upgrade for CL 600/601

BATTERY SPECIFICATIONS:

Model Number:

9750W0538

Size:

11.05" x 11.97" x 10.4"

DC Connector:

MS18093/MS3509

Qual:

DO-160C

Weight:

38 kg (83.8 lb)

Nominal Voltage:

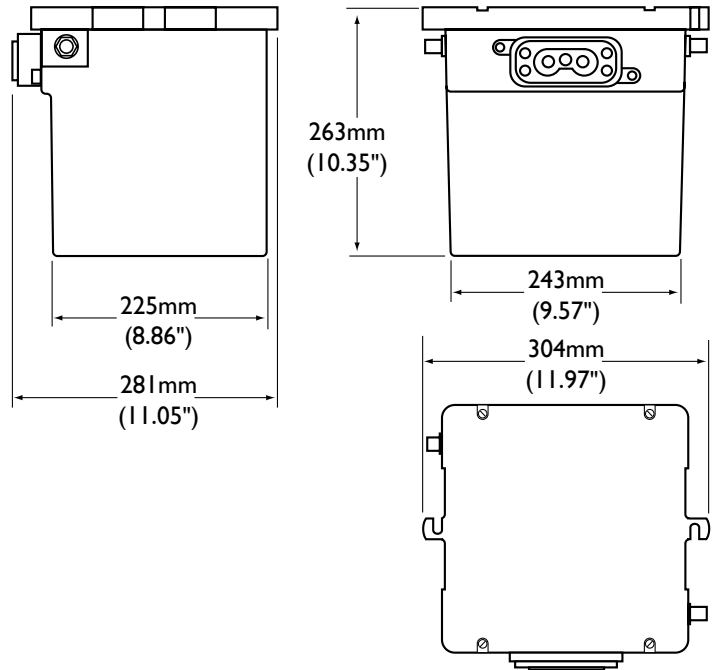
24V

Nominal Capacity:

40Ah

Transportation:

Non-hazardous and unrestricted when securely packed and protected against short circuit.



CHARGER SPECIFICATIONS:

- Size: 4.30"x 4.90"x 8.90" (Max)

- Weight: 5.1 lbs.

Power Characteristics:

Input Power Requirements

- Aircraft 115VAC 3 Phase 400 HZ (102-124 VAC Operating)

- Efficiency 85%-89%

Output Power

- Maximum output current 40 Amps @ 30V
- Maximum output voltage 36VDC @ 33A

Fault Display Status:

Charger Faults

- Fan Speed
- CPU
- Temperature
- Voltage
- Current
- Power

Diagnostics

- Self Test
- Output Voltage
- Output current
- Operating Hours
- Temperatures
- Power

- Stored Fault History

Battery Faults

- Abnormal temperature
- Temperature sensor circuit.
- Cell unbalance sensor unit.

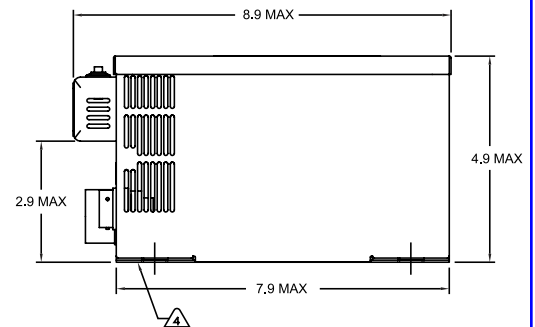
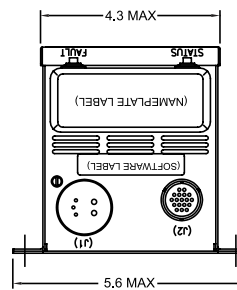
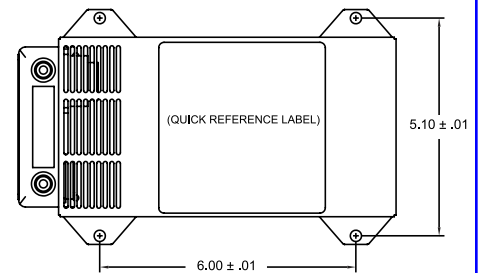
Time

- Date
- Software revision.

Charge Mode

- Bulk Charge Mode
- Topping Charge Mode
- Trickle Charge Mode

J1 Pins	Description
A	DC Output
B	DC RETURN
C	SPARE
D	SPARE
E	SPARE



PIN ASSIGNMENTS:

J2 Pins	Description
A	115VAC/400HZ INPUT POWER - PHASE A
B	115VAC/400HZ INPUT POWER - PHASE B
C	115VAC/400HZ INPUT POWER - PHASE C
D	BATTERY MID-POINT VOLTAGE
E	TEMP SENSOR
F	SIGNAL RETURN
G	FAULT OUTPUT INDICATOR
H	JUMPER (REV DISPLY)
J	JUMPER (REV DISPLY)
K	RESERVE (RS485+)
L	RESERVE (RS485-)
M	SPARE
N	AC NEUTRAL
P	INPUT POWER GOOD
R	CONFIGURATION JUMPER (42 A-H ULM)
S	CONFIGURATION JUMPER (17 A-H)
T	CONFIGURATION JUMPER RETURN
U	CHASSIS GND