



Harland ProtectUPS®- Marine 24vDC UPS for ASE Citadel

HPU-M-0001

SECURE POWER FOR ANTI-PIRACY EMERGENCY COMMUNICATION

The Harland Citadel2 UPS was designed for Applied Satellite Engineering (ASE) to support their Citadel Safe-Room Iridium/UPS Communications system to protect vessels against piracy.

The UPS provides 72 hours of independent battery back-up power to protect the Citadel system and exceeds NATO guidelines.

The Citadel UPS is based on proven high quality longlife and maintenance free components specifically selected to be suitable for marine rugged and harsh environment applications.

Rugged IP55 enclosure

Rugged charger with input protection

Easy install



Single replacement of charger/batteries

High performance Lead Crystal® batteries



- » Rugged IP55 enclosure
- » Exceeds NATO 72 hour requirements
- » 55 hour talk/100 hour standby
- » 10 year life high performance Lead Crystal® battery
- » Easy installations & maintenance
- » High reliability & maintenance free
- » Surge protection



Harland ProtectUPS®- Marine

24vDC UPS for ASE Citadel

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MODEL	HPU-M-0001
ASE Reference	P/N: ASE-CIT-UPS-EXT-LCB.
AC Supply	Universal 90-264VAC 50/60 Hz single phase/IT supply.
Input Protection	6A double pole MCB. Power supply is fitted with varistors with 3kV DC-AC isolation to give lightning/surge protection. Low input earth leakage <3.5mA.
Earthing	Internal Earth Point.
Output	24vDC Nominal Floating DC Output.
Battery Type	10+ years design life Lead Crystal® battery, long life, high temperature, low gassing, maintenance free. P/N: 003-6-CNFJ-24.
Battery Capacity	24Ah (at the 20 hour discharge rate).
Number of Cells	12
Charger Type	Constant voltage, transistor controlled charger with current limit.
Charger Rating	2.5 Amps
Back-Up Time	100 hours powered standby at 4.8W, 55 hours talk time at 8.4W. Minimum 72 hours continuous open line operation exceeding NATO anti-piracy guidelines while supporting Applied Satellite Engineering Citadel System.
Controls	None.
Meters	None.
Indications	LED indicator for charger healthy.
Alarms	None.
DC Distribution	2 pole circuit breaker rated at 6 Amps.
Enclosure	Wall mounting steel box with hinged and lockable front access door. Protection to IP55 (Lead Crystal® batteries do NOT require any special ventilation). Batteries clamped in position.
Shock/Vibration	Compliant with: Vibration=IEC60068-2-6. Shock=IEC60068-2-27.
Paint Finish	Painted RAL 7035 light grey.
Dimensions & Weight	W 500mm x H 400mm x D 200mm nominal 32 kg approx.
Cable Entry	Undrilled top entry gland plate. Wire to terminals.

