



Harland ProtectUPS®- ECO

2-6 kVA Single Phase | 30 Minutes

Technical Specification

MODEL	ECO 2	ECO 4	ECO 6
Output Rating @ 40°C	N/A	N/A	N/A
Output Rating @ 45°C	Max 2kVA/1.57 kW	Max 4kVA / 3.15 kW	Max 6kVA / 4.8kW
UPS Module	GE - VH/GT or Eaton 9PX (others available depending on UPS location)		
Battery Autonomy	5 - 60 minutes (normally 30 minutes)		
Battery Type	5 year/ 10 year VRLA I		
Battery Configuration	Single string sized at +20°C, optional dual string plus de-rate for end of life, temp. recharge, etc.		
System IP Rating	IP23 (other IP upon request)		
Input Supply	100V - 690V, 1-2 phase, 50/60Hz, IT/TNS		
Output Supply	100V - 690V, 1 phase, 50/60Hz, IT		
Enclosure	2mm welded steel rugged construction with base mounted cable entry gland plate. Fitted with fixing assembly, lifting eyes and AVM's		
Finish	Standard colour RAL7035 (other colours upon request)		
Cooling	UPS Internal Fan Optional heater & thermostat		
Recharge	80% in 24 hours (optional larger charger for faster recharge time)		
Display	Internal LED indication of load level, battery level, operating status, alarms		
Alarms (customer specified)	Mains OK, on battery, on bypass, on inverter, manual bypass, low battery, MCB open, EPO/ESD, earth leakage, fan fail, supply A/B		
Remote Communication	Optional SNMP, Modbus, RS232, Relays		
Control (customer specified)	Remote Emergency Power Off (EPO), Emergency Shutdown (ESD), Dual Input ATS, Tripping of MCB (load, ATS, battery), Remote MCB Status (auxiliary), Earth Leakage Monitoring		
Output Distribution	2KVA - 10 Way Max / 4KVA - 16 Way Max & 6KVA - 20 Way Max (customer specified)		
Audible Noise	<70 dB @ 1m		
Approvals	CE Marked, UPS can be certified to DNV-GL, Lloyds etc as required		
Dimensions (mm)	800H x 600W x 700D 150kg	1400H x 600W x 800D 200kg	1400H x 600W x 800D 250kg
Input Transformer	Marine grade input isolation transformer		
Output Transformer	Optional auto or isolation transformer for dual output voltages		
EMC Filter	Optional for bridge installation		
Warranty	24 months (extended warranties available)		

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power solutions



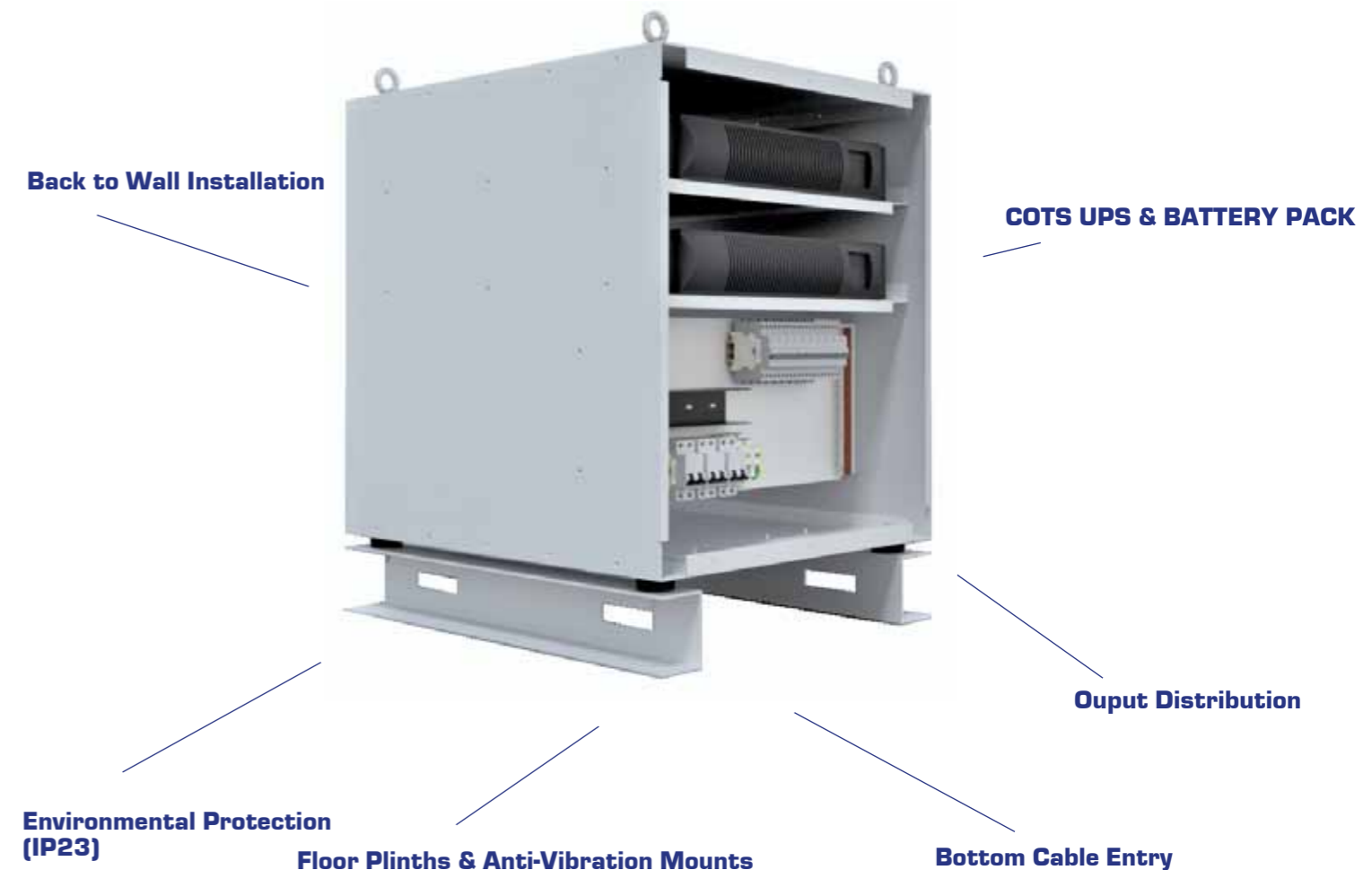
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ECO -2 / 4 / 6

The Harland ProtectUPS® ECO range of MARINE UPS is a designed to be a rugged, self-contained solution for lower powered applications that are critical and do require emergency back-up power.

The Harland ProtectUPS® - ECO is an IP23 integrated marine UPS system offering comprehensive power protection and battery backup for a range of marine based applications i.e. critical IT equipment, Communications, Navigation & Instrumentation,



- » Harland ProtectUPS® - Marine
- » Integrated IP23 AC UPS
- » Can be certified to DNV-GL, ABS, Lloyds etc
- » Floor plinths and anti-vibration mounts
- » COTS UPS & Battery Pack
- » 5 year or 10 year design life batteries
- » Back to wall installation
- » Bottom Entry Cabling
- » 2KVA / 4KVA / 6KVA power ratings

Issue Date: August 2017



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The Range



Harland ProtectUPS®- MTA

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The Range

ECO 2

ECO 4

ECO 6

Front



EXAMPLE SPECIFICATION

2kVA UPS Power Module
Input/Output Transformer
Input/Output Bypass Switchgear
up to 10 way distribution
30 Minute Autonomy
VRLA 5 YDL or 10 YDL Battery Options
Bottom Cable Entry & Gland
Base AVM
IP23 Ingress Protection

ADDITIONAL FEATURES TO THE ECO 2

4kVA UPS Power Module
Medium Distribution - up to 16 breakers

ADDITIONAL FEATURES TO THE ECO 4

6kVA UPS Power Module
Medium Distribution - up to 20 breakers

LOCATION/CLASSIFICATION CLASSES

Temperature	A
Humidity	A
Vibration	A
EMC	A
Enclosure	A/IP23

The ECO range of Harland ProtectUPS® can be configured to customer specifications. Please contact our sales team to discuss options.