



Harland ProtectUPS® - M - TA

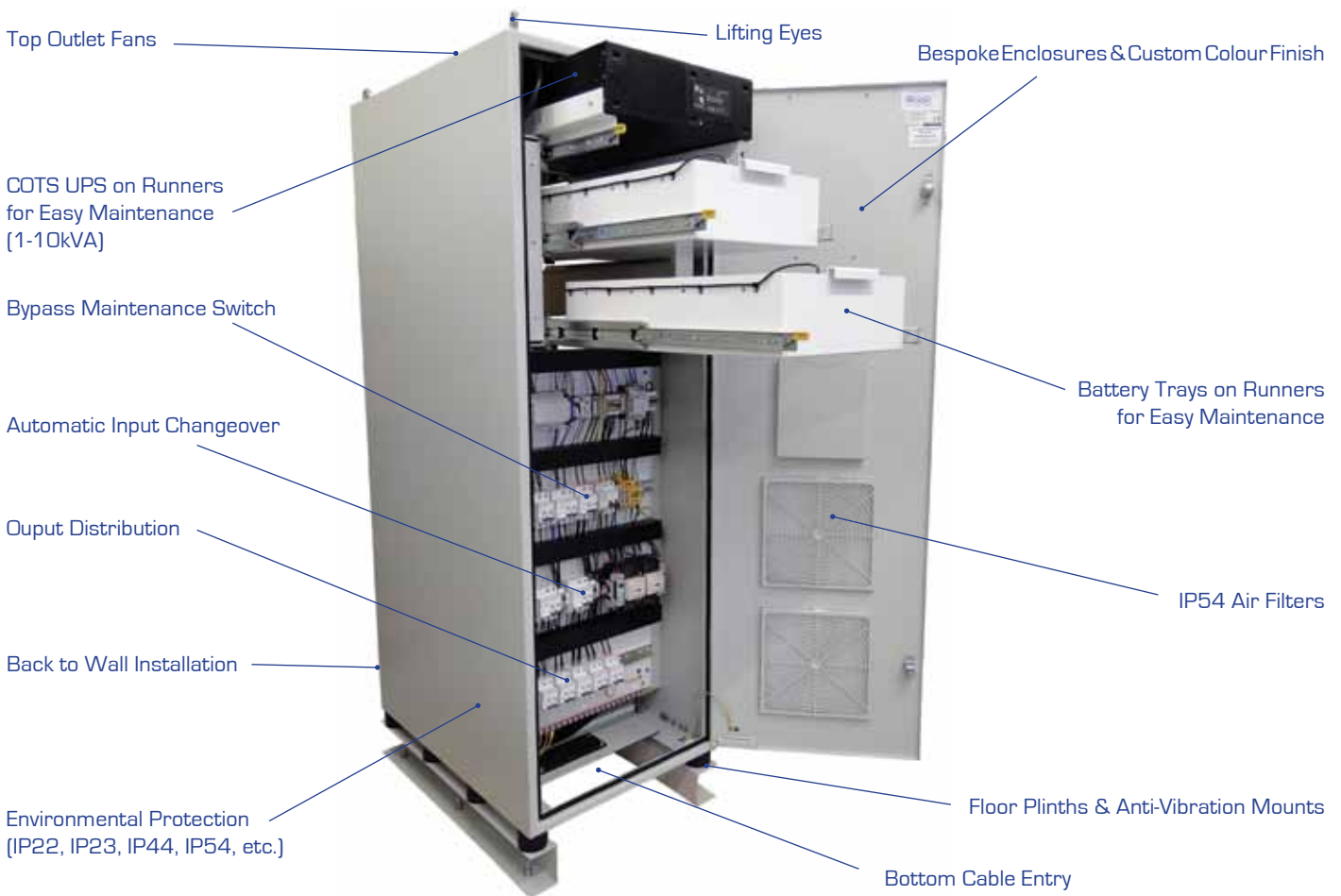
Marine Type Approved Protected UPS

1-10 kVA Single Phase | 5-60 Minutes

HPU-M-TA 1-XXXX

The Marine Type Approved Harland ProtectUPS® - Marine - TA has been designed and tested for extreme environments including wide temperature variations plus high levels of shock and vibration.

The Harland ProtectUPS® - Marine - TA is an IP54 integrated marine UPS system offering comprehensive power protection and battery backup for a range of marine based applications i.e. critical IT equipment, thrusters, drilling drives, dynamic positioning, control and monitoring, communications, gas and fire detection, emergency lighting and onboard security equipment, etc.



- » Harland ProtectUPS® - Marine
- » Integrated IP54 AC UPS
- » Marine Type Tested to IACS-E10 (also DNV, ABS, Lloyds, etc. on request)
- » Floor plinths and anti-vibration mounts
- » Emergency Shut Down (ESD)
- » Automatic Transfer Switch (ATS)
- » Top outlet cooling fans
- » COTS UPS on runners for easy maintenance
- » 10 year longlife batteries on runners for easy maintenance



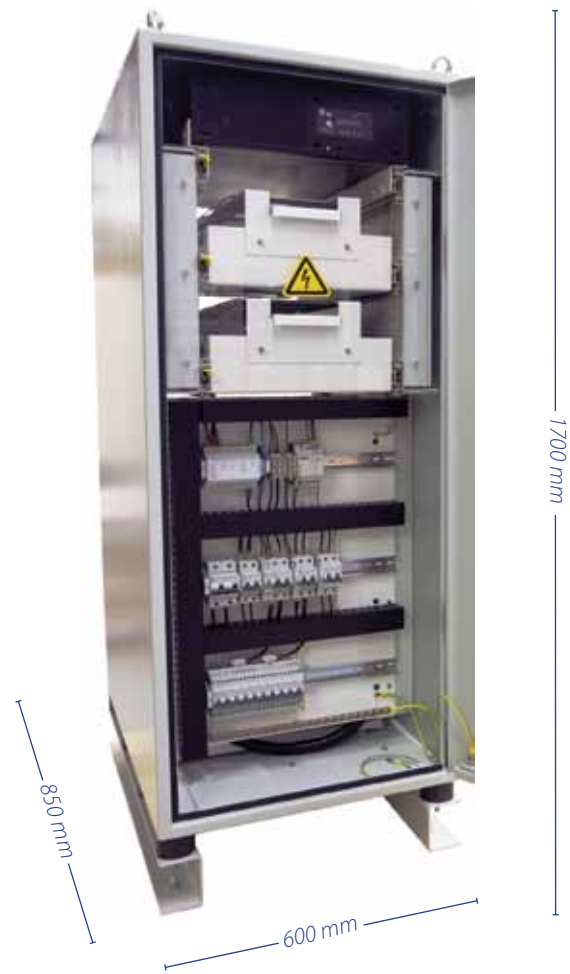
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The Range

MTA 15

MTA 17



EXAMPLE SPECIFICATION

1-6kVA UPS Power Module
Input/Output Transformer
Input/Output Bypass Switchgear
Limited Distribution - up to 1-10 breakers
5-60 Minute Autonomy
VRLA or Lead Crystal® 10 YDL Battery Options
Bottom Cable Entry & Gland
Base AVM
EMC Filters

ADDITIONAL FEATURES TO THE MTA15

1-10kVA UPS Power Module
Medium Distribution - up to 5-20 breakers
Base & Rear/Top AVM
Dual Input ATS
ESD
Earth Leakage Monitoring

The MTA range of Harland ProtectUPS® is configured to customer specifications. Please speak to



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The Range

MTA 20

Front



Rear



ADDITIONAL FEATURES TO THE MTA17

Extended Distribution - up to 10-50 breakers
Heaters & Thermostats
Fast Charge
Dual Output Voltages
N+1 Redundancy
CO ₂ Inlet Socket

LOCATION/CLASSIFICATION CLASSES

Temperature	A
Humidity	A
Vibration	A
EMC	A
Enclosure	A/IP54

to us if you require any variation to the stated example specifications to any of the above models.



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Technical Specification

MODEL	MTA15	MTA17	MTA20
Output Rating @ 40°C	Max 6 kVA/4.2 kW	Max 10 kVA/7 kW	Max 10 kVA/7 kW
Output Rating @ 45°C	Max 4.2 kVA/2.94 kW	Max 7 kVA/4.9 kW	Max 7 kVA/4.9 kW
UPS Module	GE GT range on-line double conversion with integral static bypass		
Battery Autonomy	5 - 60 minutes (normally 30 minutes)		
Battery Type	5 year/ 10 year VRLA or 10+ years wide temperature range long life Lead Crystal®		
Battery Configuration	Single string sized at +20°C, optional dual string plus de-rate for end of life, temp. recharge, etc.		
System IP Rating	IP20 - IP54 (normally IP54)		
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	Any RAL colour		
Cooling	High reliability fans (dual redundant optional) Optional heater & thermostat		
Recharge	80% in 10 hours (optional larger charger)		
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	1-50X single or double pole MCB, optional auxiliary, shunt trip or under voltage release		
Audible Noise	<70 dB @ 1m		
Approvals	CE Marked, Marine certified for IACS E10. Pending classification approval to ABS, DNV, GL, etc.		
Dimensions	1500H x 600W x 800D 200 - 500 kg	1700H x 600W x 850D 250 - 600 kg	2000H x 600W x 850D 300 - 750 kg
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)		

