



Harland ProtectUPS®- Rail/Light Rail

Modular 9U Single Phase Integrated or Loose UPS | Max O/P 5.4kW

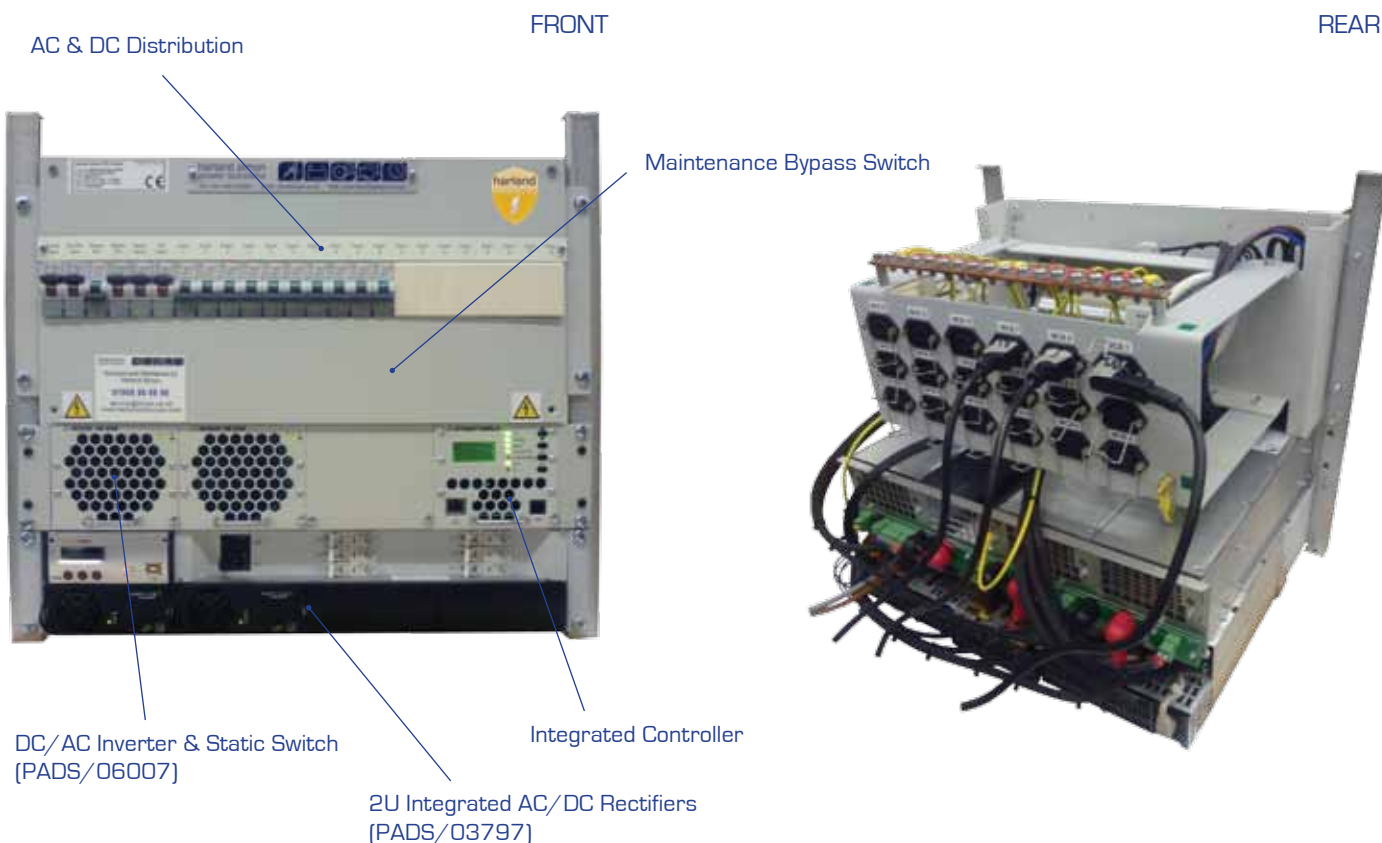
HPU-T-230V-5.4kW

Harland Simon UPS Ltd. provides a modular UPS system rated up to a maximum output of 5.4kW (230VAC).

This system can be delivered pre-wired and fitted in a 9U chassis or as loose modules for fitting within an existing 19" rack.

Designed for flexibility in configuration allowing the user to select and fit the correct number of modules for the load and battery recharge (if battery fitted).

High reliability and proven design to support critical AC loads.



- » Harland ProtectUPS® - Rail/Light Rail
- » Flexible configuration i.e. N+1
- » Max. 3 x 1.5kW DC/AC inverters (5.4kW)
- » 9U space (other options available)
- » 230 VAC single phase (other voltages available)
- » Max. 4 x 2kW AC/DC rectifiers to support load & recharge
- » PADS approved rectifiers and inverters





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Technical Specification

MODEL	HPU-T-230V-5.4kW-9U
Operating Temperature	Combined system - 20°C to +55°C
UPS Module	Modular UPS system - 9U max. rating - 5.4kW
Battery Autonomy	HS size to customer's requirement External fitted batteries
Battery Type	Lead Crystal® for cyclic/hot/outdoor or VRLA options
Battery Configuration	48vDC Bus (4 x 12v blocs or 8 x 6v blocs). Other DC voltages available
Type	9U prewired chassis or loose modules
Input Supply	Single phase 230VAC 45Hz to 66Hz from soft start
Output Supply	230VAC ± 0.5%. (Others available).
Static Switch	230VAC /7kVA max. rating (fits in inverter rack). Compact electronic switch synchronisation of inverter to mains frequency
Cooling	Fan (regulated & monitored temperature of inverters)
Recharge	Dependant on Ah & available current
Display	Optional item for separate display standard display on unit
Alarms (customer specified)	Load fire alarm low output voltage high output voltage temperature low mains shutdown recharge failure over voltage fan failure warnings network
Visual Indications	Green LED - On Yellow LED - Minor Red LED - Major
Output Distribution	Typically up to 10 way AC distribution (other variants available)
Audible Noise	20dB at nominal input & full load (+25°C)
Approvals	Rectifier - PADS/O3797 Inverter - PADS/O6007
Dimensions	System is designed to fit in a 9U x 19" space x 400/500 mm deep
Input Transformer	650v, 400v, 230v, 110v AC (if required). External available as an option.
Output Transformer	Available on request
Remote Communication	Controller integrated within the equipment racks
Warranty	12 month standard warranty (extended warranty available)

Power Protection rail specific UPS solutions for DC & AC loads.

Low power applications for the critical back up of monitoring, diagnostic and control equipment, emergency lighting, telecom/IT networks, axle counters and level crossings.

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