



Power Distribution Unit

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The Power Distribution Unit (PDU) is an electronic pressure vessel for distribution of electrical power and ethernet signals. The set of subsea connectors allows for 2 power inputs to be distributed to 6 different outputs.

The unit contains an ethernet switch for distribution of ethernet signals, and sensors for monitoring of temperature and leak detection.

PDU is nitrogen-filled and hyperbaric tested to working pressure prior to delivery.

Key features

- 2 power inputs, 6 outputs
- Temperature and leak detection sensors
- Designed for 3000 m water depth
- Field proven

ENVIRONMENTAL DATA

Design life (maintainable):	20 years
Design temperature range:	-18 °C to 40 °C
Operation temperature range:	-18 °C to 40 °C
Storage temperature range: (storage temperature above 0 °C is preferred)	-18 °C to 50 °C
Water depth rating:	3000 msw

DIMENSIONS AND WEIGHT

Diameter:	290 mm
Length (excl. electrical connectors):	400 mm
Weight in air:	90 kg
Weight in water (estimated):	65 kg
Lifting RUD eye bolts:	M12 bolts

ELECTRICAL

Inputs:

- 440 VAC 50 / 60 Hz
- 230 VAC 50 / 60 Hz
- 24 VDC

Power outputs (C₃ - C₁₀):

- 440 VAC
- 230 VAC

