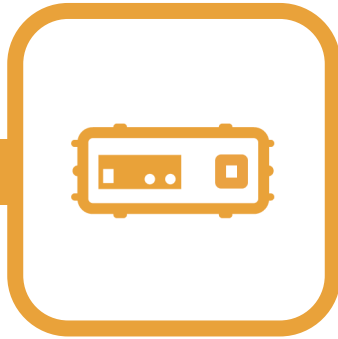


GPP Geochain Power Panel



Main Features

- Enables DC Power and AC data transmission over same wireline.
- Operates from all standard mains power supply.
- Interface directly with GSP-1.
- Operates with all digital Geochain™/Slim™/EHP systems.
- In built safety protection.

Functionality

- The digital Geochain™ product ranges are all supplied operating current at surface via a Geochain Power Panel (GPP) which features a Wireline Interface Box (WIB) enabling both DC power and AC data to be transmitted over same wireline cable.
- The GPP has inbuilt safety features to maximise user protection during Geochain operation.
- The GPP unit also incorporates the WIB (Wireline Interface Box). The WIB contains transformers to enable both DC power and AC data to be transmitted over the same wireline cable. Note that the early GPPs do not have an integrated WIB, but instead may connect to a separate WIB via a short interface cable.

Power Panel for



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GPP-1 Specifications

Electrical	
Output Voltage:	0 – 600 Vdc
Output Current:	0 – 1.7 A
Output Power:	1020 W
Rated AC Input Voltage:	100/120/200/220/230/240 Vac (nominal)
	Derate maximum output power to 900 W for AC input less than 95 V.
Maximum Input Power:	1250 VA
Maximum Input Current:	13 A maximum at 100 Vac, 11 A max at 120 Vac, 6 A maximum at 220 Vac
Input Frequency Range:	47-63 Hz
Power Factor:	0.99 minimum for full load and 120 Vac input
Input Harmonic Distortion:	EN61000-3-2 compliant
Switching Frequency:	62.5 KHz nominal (125 KHz output ripple)
Isolation Voltage:	Input to output: 1350 Vac
Efficiency:	85%, full power at 115 Vac input
Operating Temp Range:	32 to 104°F (0 to 40°C)
Storage Temperature Range:	-40° to 140°F (-40° to 60°C)
Humidity Range:	10% to 80% RH, non-condensing
Physical	
Format:	19" rack mountable case
Width:	450 mm (480mm inc. ears)
Height:	4U (180 mm)
Depth:	385 mm behind mount ears plus 45 mm in front of ears
Weight:	25lbs (11.5 Kg)
AC Input Connector Type:	IEC320
Fuses:	20 A, 250 V, 5 x 20 mm slow
Cooling:	Fan cooled. Air exhausts at right hand side, front and rear. Over-temperature shutdown