

TankGard Power Supply Unit (4-Channel, 12 V 10 A)

General

TankGard power supply units are designed for the cathodic protection of heater treaters. This DC power supply complies with rigorous industry standards and specifications and is rated for continuous use at full output.

Environment

Climate	Outdoor
Ambient operating temp.	-10 to +45°C
Humidity	0 to 95% (non-condensing)
Classification	Non-hazardous (Hazardous options available on request)

Overall weights & dimensions

Dimensions (W x H x D)	500 x 400 x 200 mm
Gross weight	10 ±2 kg

Unit

Type	Enclosure
Material	Mild steel
Internal access	Hinged door
Heat dissipation	Max. 50 W
Cooling method	Air natural (AN)
Ingress protection	Rated IP65
Mounting	Frame / Wall
Coating	Powder coated
Finish / Colour	Light grey, RAL 7035

Protection *

AC input isolator	Rated to suit max. output
AC input fuse	1 No. per channel

Electrical characteristics

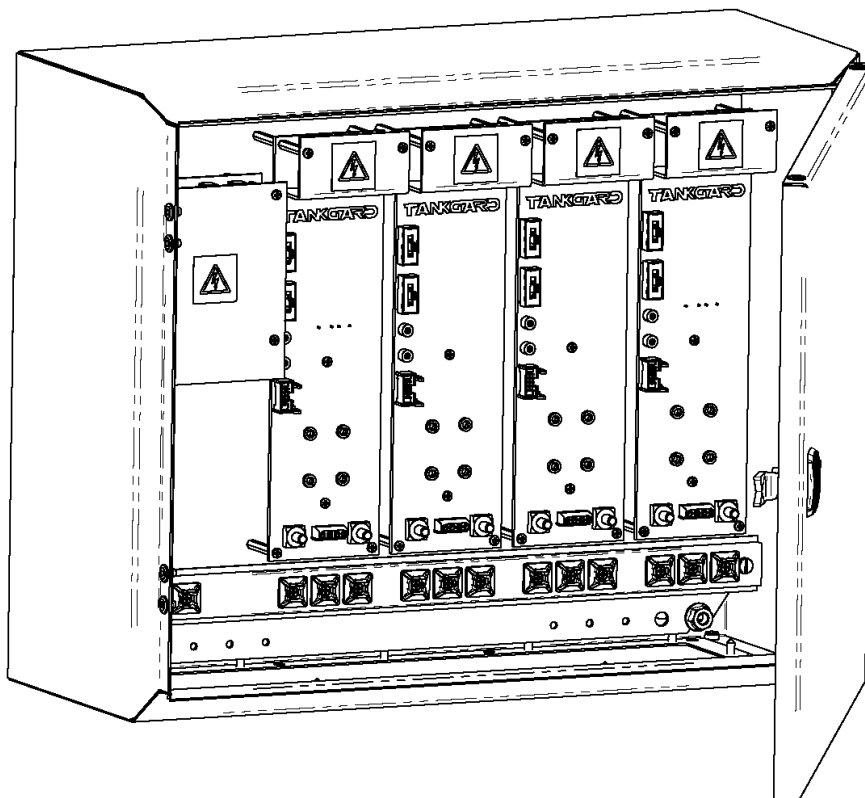
AC input	100-240 V (±10%), 1 Ph, 47-63 Hz
Efficiency	Min. 92% @ rated load
DC output	12 V, 10 A per channel

Control (each channel)

Manual	Constant-current (0-100%)
Auto-potential	Variable set-point (from selectable ref.)

Monitoring (each channel)

Local (via 4 mm sockets)	DC output voltage / current Reference electrode input(s) Set point
Remote (via multicore cable connection)	DC output voltage / current Reference electrode input(s) Set point (Wireless options available on request)



* Stated values / component ratings based on max. rated DC output