

# Inverter Power Source



## Product Description: 10.5kW Inverter Power Source (In Mild Steel Case)

This Inverter Power Source is a portable heat treatment unit, designed for powering and controlling standard 60V, 48V or 30V heating elements dependent up on the operator selected maximum output voltage setting.

## Applications

For the post weld heat treatment and preheating of pipe welds and welded fabrications where only one control zone is required. Up to eight additional units can be inked where multiple zone are required).

At 17Kg, the inverter's lightweight design is ideal for smaller heat treatment jobs, areas with limited access or where transportation limitations is an issue.

## Features

- Capacity to store up to twenty user defined heat treatment profiles
- Each profile can contain up to nine ramp or hold segments
- Integrated temperature data logger for recording and storing up to 64 hours of data. Stored as a CSV File
- Includes disc containing software and instructions and USB connection cable for data
- Auxiliary thermocouple socket for use with optional external recorder
- Option for manual temperature control via the energy regulator mode
- Will power up to four standard 60V ceramic pad heating elements up to a total maximum power output of 10.5kW

| Specification                    |                                                                               |
|----------------------------------|-------------------------------------------------------------------------------|
| Supply Voltage / Current         | Three phase 400V, 23A $\pm$ 15%                                               |
| Frequency                        | 50/60 Hz                                                                      |
| Output Voltage / Current         | 0-60V / 180A, 65V / 160A continuously adjustable, CV/CC                       |
| Load Type                        | Standard 60V, 48V or 30V ceramic heating elements.                            |
| Supply Protection Fuse           | 25A                                                                           |
| Temperature Sensor               | Thermocouple - type K                                                         |
| Data Recording Range             | -40°C to 1350°C                                                               |
| Temperature Control Range        | -25°C to 1200°C                                                               |
| Alarm                            | Two adjustable - (1) deviation SV/PV and (2) set temperature reached          |
| Fault Detection                  | Thermocouple disconnection, overload, overheating, output short circuit etc.  |
| Multizone control                | Up to 9 units can be linked to follow an single profile from the master unit. |
| Operating Temperature Protection | -20°C to 40°C (with a capacity limit to 50°C)                                 |
| Case                             | Mild steel blue powder coated (stainless steel version - GHT 1235)            |
| Dimensions                       | 170mm x 370mm x 405mm                                                         |
| Weight                           | 17 kg                                                                         |
| Design Standards                 | EN 60519-1 ED. 4, EN 60519-2 ED. 2, EN 55011 ED. 4, EN61000                   |

## Recommended Accessories for a full set

| Cables and Heaters                                                     | Thermocouples and accessories                                    | Banding, insulation                                               |
|------------------------------------------------------------------------|------------------------------------------------------------------|-------------------------------------------------------------------|
| 1 x GHT 6009 25mm <sup>2</sup> Triple cable set with Dinse plugs       | 1 x GHT 4001 Globe Thermocouple Welder (GTW)                     | 1 x GHT 9301 Banding machine                                      |
| 1 x GHT 6104-BK Four way splitter (Black)                              | 1 x GHT 9208 100m roll of double insulated Thermo couple wire    | 2 x GHT 9303 Roll of stainless steel banding (30m)                |
| 1 x GHT 6104-OR Four way splitter (Orange)                             | or 1 x GHT 9209 100m roll of double insulated Thermo couple wire | 1 x GHT 9304 Box of stainless steel clips (100 clips per box)     |
| 30V and 60 V Ceramic elements*                                         | 1 x GHT 9040 Thermocouple plug type K                            | 1 x GHT 9305 Iron tie wire ( 25kg roll)                           |
| *(See details of our full range of heaters available in our catalogue) | 1 x GHT 9312 Tub of thermocouple putty                           | 1 x GHT 7000 7.2m roll of 96g/m <sup>3</sup> Superwool insulation |

