

REEFLEX[®]

REEFLEX[®]
Lithium 170



**INTERNAL
LITHIUM
BATTERY
FOR OFF-GRID
ARC WELDING**

**ELECTRODES
weld up to:**
6 x 4 mm
8 x 3.2 mm
17 x 2.5 mm



Designed and
manufactured
in South Africa

**BUILT-IN
VOLTAGE
REDUCER**

Work in hybrid
mode –
**charging
and welding
at the same
time**

**Built-in 1.7kW
fast charger –
20 minutes
charging time**

100 % duty
cycle @ 170A

**OUTPUT CURRENT
0 – 170A**

**OCV (OPEN
CIRCUIT VOLTAGE)
68V**

**HIGH PERFORMANCE
LITHIUM BATTERY –
512Wh and more
than 5000 cycles**

**SIZE
270 x 310 x 570 mm**

**WEIGHT
±20 kg**

www.reeflex.co.za



REEFLEX[®]
WELDING

MAIN BENEFITS

The Reeflex range of inverter welders are lightweight, fully portable, heavy duty industrial DC welders for coated electrode and TIG welding. This makes them absolutely ideal for maintenance and production applications. A built-in voltage reducing device is also available for added safety.



PRINCIPLE OF OPERATION

The Reeflex inverters utilise cutting-edge technology in combination with the latest power electronic switching devices available, to convert a high voltage DC BUS down to the required welding voltage. The high switching frequency provides an output dynamic response in excess of 10 kHz, which enables the converter to control the welding arc with great precision. The DC output current is controlled by means of feedback, and sufficient current boost is added to optimise the welding process.

WELDING PERFORMANCE

The extremely high output dynamic response, precise control of the output current and sufficient striking voltage ensures easy striking, low spatter, and very smooth running. These features simplify the welding process significantly, and near-perfect welding is obtained with most electrode types.

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PRIMARY	INPUT VOLTAGE	220V 1 phase ±15%
	INPUT CURRENT	12A
SECONDARY	DC WELDING CURRENT	170A/22V
	DUTY CYCLE AT MAXIMUM OUTPUT	100 %
	CURRENT RANGE	0 – 170A
	OPEN CIRCUIT VOLTAGE	15/70
	CONSTANT CURRENT FOR DC TIG WELDING	Yes
	ARC FORCE	Set
	MAXIMUM ELECTRODE DIAMETER	4 mm
	COOLING	Fan
	DIMENSIONS	HEIGHT 310 mm
		WIDTH 265 mm
		LENGTH 590 mm
	WEIGHT	20 kg
BUILT-IN VOLTAGE REDUCER		Yes

Manufactured by

REEFLEX®
WELDING

Reeflex Welding (Pty) Ltd. Reg No 2009/00948/07
Manufacturers of welding machines since 1981

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