

# POWERTEC® i250C & i320C

New inverter based compact welders ready for tomorrow

## DESIGNED WITH WELDERS, FOR WELDERS

POWERTEC® i are new inverter based compact welders for MIG/MAG and MMA welding.

They are available as either the STANDARD (Volt & WFU controls and digital volt/ammeters) model or the ADVANCED (colour screen with 25 synergic curves) model with two welding outputs, 250 or 320A.



Processes  
Stick, MIG

Output



Input



## WHY POWERTEC® i ?

- » **Designed with welders, for welders**  
with attention to details for better comfort
- » **Innovative intuitive interface**  
Simple navigation, easy settings and process selection, multi-language menu
- » **Premium arc performance**  
Repeatable arc ignition, excellent arc stability, rapid parameter adjustment
- » **Perfect feedability**  
Optimized wire positioning, 4 driven rolls, inspection window, LED lights
- » **Ready for the heaviest industrial conditions**  
Developed and tested under the hardest conditions (TRUE HD) to grant the reliability you need
- » **More functions and features**  
Synergy, 7" colour screen, memories, joint visualization (ARCFX™), multi-languages, USB connection for the Advanced versions

### SPECIFICATIONS

Product	Item Number	Model	Primary Voltage (50-60Hz)	Current Range (A)	Rated Output	Effective consumption (A)	Weight (kg)	Dimensions WxLxD (mm)	Protection Class
Powertec® i250C	K14157-1	standard	400/3Ph +/- 15%	10-250	250A@60%	14,7	66	535 x 300 x 635	IP23
	K14157-2	advanced			195A@100%				
Powertec® i320C	K14158-1	standard		10-320	320A@40%	19,6			
	K14158-2	advanced			250A@60%				

## EXCEPTIONAL ERGONOMICS



- ① Ergonomic handle
- ② 7" color TFT screen (advanced models)
- ③ UI protection cover (option)
- ④ Heavy duty undercarriage
- ⑤ Rubber bumpers (option)
- ⑥ Gun rest
- ⑦ Tools storage
- ⑧ Inspection window
- ⑨ LED lighting inside feeder chamber
- ⑩ Low gas cylinder entree
- ⑪ Lifting eyes

## INTUITIVE NAVIGATION



Simple navigation also when using welding gloves.

## PERFECT FEEDABILITY

**Optimized wire positioning:** improved arc stability & reduced gun vibration

**4 rolls/ all driven:**

- eliminates wire slipping
- no wire deformation

**Inspection window:** easier notification for spool change

**LED lights:** better visibility

## OPTIONS & ACCESSORIES

Designation	Item Number
Protective front cover	K14174-1
Rubber bumpers	K14177-1
Polarity change kit	K14173-1
Gas heater kit	K14176-1
Flow meter kit	K14175-1

## FUNCTIONALITIES

Functionalities	Standard	Advanced
MIG Manual	✓	✓
FCW Manual	✓	✓
STICK mode	✓	✓
Arc control	✓	✓
Burn-back	✓	✓
2/4 Stroke	✓	✓
Run-in	✓	✓
Pre- & post gas	✓	✓
JOB Mode / Procedure A-B		✓
Synergy		✓
Limits / Memories / Jobs		✓
ARCFX™ – joint visualization		✓
Languages		✓
USB connection		✓
Locking function		✓
Support		✓
Work point in mm		✓

## APPLICATIONS

- » On site maintenance
- » Service tasks
- » Construction site
- » General fabrication