
POWERTEC®-i S RANGE
RELIABILITY, EXTENDED REACH
POWERTEC
LINCOLN ELECTRIC
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www.lincolnelectric.eu

POWERTEC®-i S RANGE

POWERTEC®-i S RANGE is a brand new range of Lincoln Electric products based on the latest inverter platform, combining modularity, ease of use and optimal **MIG/MAG** or **MMA** welding performance with excellent power cost efficiency.

Three power sources: **i350S**, **i420S** and **i500S** with a choice of separate wire feeders, standard LF52D for basic use, or the advanced LF56D for more demanding applications, helps customer to fulfill every possible welding needs.

All **POWERTEC®-i S** have the option of water cooling by simply adding the new **COOLARC® 26**.



POWERTEC® i350S

POWERTEC® i420S

POWERTEC® i500S

THE LINCOLN ELECTRIC GREEN INITIATIVE
Inverter Technology
reduces energy demand
www.lincolnelectric.com/green

LINCOLN ELECTRIC 3 Year warranty Parts & Labour PERFORMANCE PLUS PROTECTION



LF 52D

LF 56D

APPLICATIONS

Processes	Welding of:	Input	Output
GMAW	Steel	3 PHASE, 50/60 Hz	CC CV
FCAW-G	Stainless Steel		DC
FCAW-S	Low Alloy Steel	GENERATOR READY	
SMAW	Aluminium		
CAG *(i420S/i500S)*	MIG Brazing		

100 100 | 40 VDC | SYN SYNERGIC SETTINGS | S300

SPECIFICATIONS

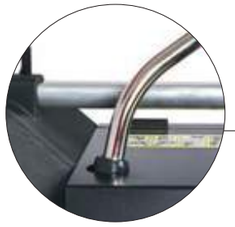
Product	Item Number	Primary Voltage	Rated Output	Efficiency	Idle Power	Weight (kg)	Dimensions HxWxD (mm)	Protection Class
Powertec® i350S	K14183-1	400V/3Ph ± 15%	350A@50% 300A@100%	> 85%	< 35W	68	932 x 560 x 925	IP23
Powertec® i420S	K14184-1		420A@100%			78		
Powertec® i500S	K14185-1		500A@60% 420A@100%			79		

Product	Item Number	Display Type	Rated Output	Feeding System	WFS Range m/min	Weight (kg)	Dimensions HxWxD (mm)	Protection Class
LF52D (Standard)	K14186-1	LED's	500A@60% 420A@100%	4 Rolls/ø37mm	1.5 ÷ 22	19	516 x 320 x 642	IP23
LF56D (Advanced)	K14187-1	7"TFT						

LINCOLN RELIABILITY, OPTIMIZED ERGONOMICS



Simple navigation *also when using welding gloves*



Gun Holder*: always at hand, ready to work*

Front UI protection cover
keep your UI safe

Lifting eye







Full access for wire spool installation
Perfect feedability with 4 rolls and internal lights Drum Ready.

Inspection window

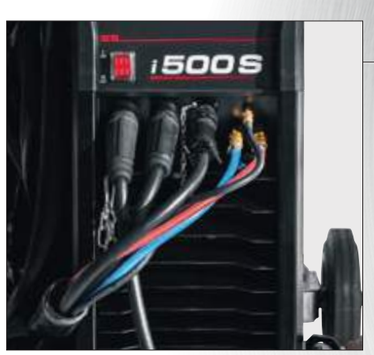


Cable Management System *(option)*

COOL ARC® 26
(option)



Practical, big storage locker inside the machine
with key lock, for accessories like gun, gloves, rolls, contact tips, etc.



Cable connections on front *(in standard)*
and back rear side *(in option).*
Strain reliefs *on both ends to keep connections well protected.*



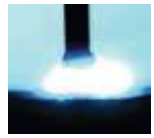
Heavy duty undercarriage with big wheels
Very solid, stable, metal made construction

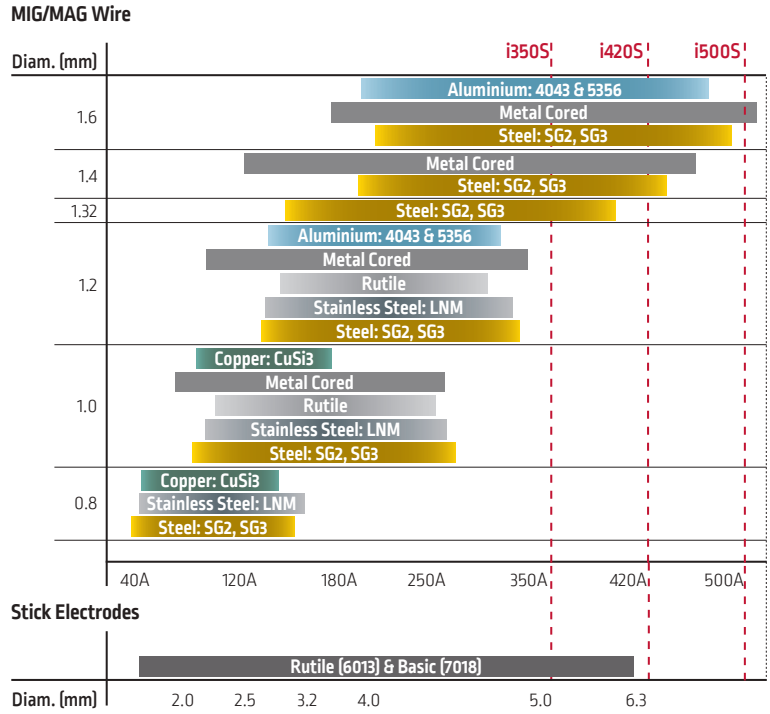
Rubber bumpers *protecting feet*

PREMIUM ARC PERFORMANCE

- **ARC INITIATION** – Repeatable arc ignition with outstanding arc characteristics.
- **ARC STABILITY** – Excellent arc stability, ensuring a smooth droplet transfer, with reduced spatter.
- **ARC DYNAMICS** – Rapid parameter adjustment allowing variability under welding conditions.







EXTENDED RANGE UP TO 30M



ACCESSORIES

Item Number	Designation
K14182-1	COOLARC-26
K14196-1	OUTPUT CONNECTION KIT (PTi350S)
K14202-1	OUTPUT CONNECTION KIT (PTi420/500S)
K14201-1	CABLE MANAGEMENT KIT
K14176-1	GAS HEATER KIT (Powertec-i)
K14198-PG-xM	CABLE PACK Gas x=1/5/10/15/20/25/30m
K14199-PGW-xM	CABLE PACK Water x=1/5/10/15/20/25/30m

BUILT FOR THE HEAVIEST INDUSTRIAL CONDITIONS

Developed and tested under the hardest conditions **(TRUE HD)** to grant the reliability you need.

- Fully encapsulated and vertical mounted
- Capable of surviving the harshest testing Conditions
- Varnished and potted electronic boards



READY FOR TOMORROW

The new European regulation for Welding Equipment will soon be implemented and will require a phase out of conventional equipment.

The new **POWERTEC® i S** family complies with this regulation by having a minimum power source efficiency of 85% & an idle consumption which is below the new tolerated limit.

** 350A, 2 shifts a day with 30% operator factor*

Depending on your application, welding parameters & duty cycle, **you can save up 3.700 kWh* (~480 €) per year and per equipment.**

ECO FRIENDLY WELDING & CUTTING

BUY NOW, BE READY FOR TOMORROW AND START SAVING TODAY

BEING PRESENT LOCALLY
MAKES US MORE AWARE GLOBALLY

120+
YEARS OF EXPERIENCE

325+
GLOBAL R&D TEAM



36
SOLUTION CENTERS

3.0
BILLION USD REVENUE

11 000
EMPLOYEES WORLDWIDE

Global Headquarters
Cleveland, Ohio USA
Solution Centers

CUSTOMER ASSISTANCE POLICY
The business of The Lincoln Electric Company® is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or advice about their use of our products. Our employees respond to inquiries to the best of their ability based on information provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or advice. Moreover, the provision of such information or advice does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or advice, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose is specifically disclaimed.

Lincoln Electric is a responsive manufacturer, but the selection and use of specific products sold by Lincoln Electric is solely within the control of, and remains the sole responsibility of the customer. Many variables beyond the control of Lincoln Electric affect the results obtained in applying these types of fabrication methods and service requirements.

Subject to Change – This information is accurate to the best of our knowledge at the time of printing. Please refer to www.lincolnelectric.com for any updated information.

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