

Power Wave® S350 CE Power Wave® S500 CE

Pulsed perfection, Modular flexibility

The Power Wave S350 and S500 are part of a new modular concept from Lincoln Electric; designed to offer a multitude of different set-up configurations, these machines can be tailored easily yet precisely to your welding application. The new platforms all communicate via Arlink allowing seamless connection with all of Lincoln's digital Feeders from the PF4X to PF84. All Power Waves® come complete with an Ethernet connection. You can get access to the machine by using this connection and our free software. Updates are free of charge; our website powerwavesoftware.com contains the latest version of software including weld modes.

Features

- Superb arc welding characteristics in Pulse, Pulse on-Pulse®, CV, Stick and TIG DC.
- A variety of materials are supported; Steel, Stainless, Aluminium but also High Nickel and CuSi.
- RapidArc®, & Rapid X™ for a higher travel speed and less Heat Input with Steel and Stainless.
- PowerMode® reduces spatter and improves appearance even of low voltage applications on steel & stainless steel, also beneficial for high deposition on aluminium.
- S2F for premium Aluminium welding.
- Clearing Pulse providing a clean wire tip without a ball, ready to restart.
- STT module is available transforming the machine into a STT/Pulse welding machine.
- Water Cooled when combined with the COOL ARC® 50 water cooler.



Technical Specifications

Product	Item Number	Primary Voltage (50-60Hz)	Current Range (A)	Rated Output	Fuse Size (A) (slow)	Weight (kg)	Dimensions HxWxD (mm)	Protection/Insulation Class
Power Wave® S350 CE	K2823-2	400V/3Ph (380-575V)	5-350	350A/31.5V/40%	40/25A	46.6	518 x 356 x 630	IP23 / H
Power Wave® S500 CE	K3168-1		5-500	500A/39V/60%	90/60A	68	570 x 356 x 630	

Technical Specifications of Wire Feeders

Product	Item Number	Drive Roll	Cooling	Input Power	Output Power	WFS Range (m/min)	Wire Size Range (mm)		Weight (kg)	Dimensions HxWxD (mm)
							Solid	Cored		
PF-40	K14106-1	4	A/W	40V DC	500A@60%	1.0-22	0.8-1.6	1.0-1.6	17	460 x 300 x 640
PF-42	K14107-1									
PF-44	K14108-1									
PF-46	K14109-1									



Processes

- Pulse MIG
- Pulse-on-Pulse MIG
- MIG
- Flux-Cored
- Stick
- Lift TIG
- Gouging

Recommended Wire feeders

- PF40, PF42, PF44, PF46, PF84, PF84 Dual

Recommended Packages Include

- PF4X wire feeder
- Power Wave® power source, Input cable, Work clamp and cable assembly + CoolArc® 5X for water cooled version
- 5m-Interconnection cable, MIG gun and gas regulator

Key Options

- GRD-400A-70-xM Ground cable 400A - 70 mm² - 10/15 m
- K10349-PG(W)-xM Interconnection cables
- K10429-36-xM MIG gun LGS 360 G - 300A - 3/4/5 m
- K10413-36PHD-xM MIG gun LGP 360 G - 300A - 3/4/5 m
- K10413-42PHD-xM MIG gun LGP 420 G - 350A - 3/4/5 m
- K10429-505-xM MIG gun LGS 505 W - 450A - 3/4/5 m
- K10413-55PHD-xM MIG gun LGP 550 W - 500A - 3/4/5 m
- K2921-1 STT Module
- K14050-1 Water cooler COOL ARC® 50
- K10420-1 Coolant Acorox (2x5l)
- K14085-1 Cart
- K2444-3 CE Filter (PW S700)
- K3004-1 Autodrive 19
- K3171-1 Autodrive 19 Tandem
- K2827-2 DeviceNet Kit (S350,S500)
- K3001-1 Optional kit (UI, solenoid kit, 12-pin board)
- K14121-1 User Interface U2
- K14122-1 User Interface U4
- K14123-1 User Interface U6
- K14124-1 Pendant box (12-pins)
- K14125-1 Kit 12-pin socket (F)
- K14131-1 Arlink-T Flex
- K14132-1 Adapter 5-pin(M)/12-pin(F)

