

# Power Wave® S350 CE, S500 CE, S700 CE

## Pulsed perfection, Modular flexibility

The Power Wave® S350 and S500 are part of a modular concept offering many different configurations allowing to adjust the machine to diverse welding application. The most powerful Power Wave S700 supports high deposition welding also available in Tandem Mig system. The new platform communicates with ArcLink® allowing to work with all digital feeders from the PF4X to PF84. All Power Wave® 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 weldmodes.

### 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 (50C) water cooler.
- Meets IEC974-1, ROHS and CE standards for safety and reliability.



#### 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
- 5 m-Interconnection cable, MIG gun and gas regulator

#### Key Options

- **GRD-400A-70-xM** Ground cable 400A -70 mm<sup>2</sup> - 5/10/15 m
- **K10349-PG(W)-xM** Interconnection cables
- **K10413-36-xM** MIG gun LG 360 G - 320A - 3/4/5 m
- **K10413-42-xM** MIG gun LG 420 G - 380A - 3/4/5 m
- **K10413-410-xM** MIG gun LG 410 W - 350A - 3/4/5 m
- **K10413-500-xM** MIG gun LG 505 W - 450A - 3/4/5 m
- **K10413-360GC-4M** MIG gun LG 360 GC with cross switch - 4 m
- **K10413-420GC-xM** MIG gun LG 420 GC with cross switch - 3/4/6 m
- **K10413-505WC-4M** MIG gun LG 505 WC with cross switch - 4 m
- **K2921-1** STT Module
- **K14050-1** Water cooler COOL ARC® 50
- **K14050-2** Water cooler COOL ARC® 50C (PW S700)
- **K10420-1** Coolant Acorox (2x5l)
- **K14085-1** Cart
- **K2444-3** CE Filter (PW S700)
- **K3004-1** Autodrive 19
- **K3171-1** Autodrive 19 Tandem
- **K2827-1** DeviceNet Kit (S350,S500)
- **K3001-1** Optional kit (UI, solenoid kit, 12-pin board)
- **K14121-1** User Interface "A+ "
- **K14122-1** User Interface "B"
- **K14123-1** User Interface "B+"
- **K14124-1** Pendant box (12-pins)
- **K14125-1** Kit 12-pin socket (F)
- **K14131-1** ArcLink-T Flex
- **K14132-1** Adapter 5-pin(M)/12-pin(F)



### 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	
Power Wave® S700 CE**	K3279-1	230/400V/3Ph (208-575V)*	5-700	700A/44V/100%	90A	181	765 x 485 x 932	

### 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								18	
PF-44	K14108-1								18,5	
PF-46	K14109-1								18,5	



#### INPUT OUTPUT

