

INVERTER CO₂/MAG CPVS 500



DC



STICK



✓ Synergic control

One-Knob synergic control provides appropriate arc voltage for the welding current selected.

✓ Easy operation

Less buttons and digital setting / digital indicator

✓ Fine arc start

Instantaneous arc start close to 100% from low to high current.




Easy-to-use panel display

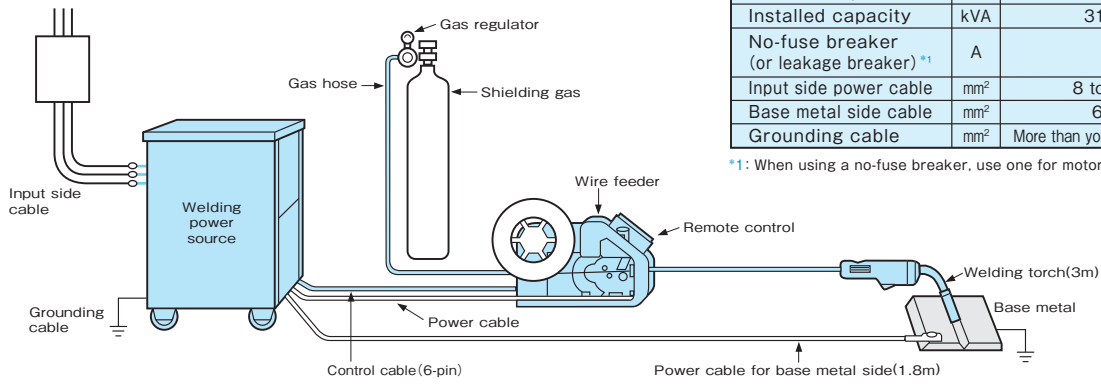
Useful function

Spot welding
Synergic control
Arc control
Interval welding



■ Connection diagram

 This color indicates standard components.



■ Input power capacity and cable specification

Items	Model	CPVS-500
Supply voltage	V	380/415 ± 15%
Number of phases	—	3
Installed capacity	kVA	31.5 or more
No-fuse breaker (or leakage breaker) *1	A	60
Input side power cable	mm ²	8 to 14 or more
Base metal side cable	mm ²	60 or more
Grounding cable	mm ²	More than your input cable thickness

*1: When using a no-fuse breaker, use one for motors.

Standard specifications

● Power source	Model	CPVS-500	
Rated input voltage	V	380/415 ± 10% (50/60Hz)	
Number of phases		3	
Rated input	kVA	23(22kW)	
Rated duty cycle	%	60	
Rated output current	A	500	
Rated load voltage	V	45	
Output current range	A	50~500	
Output voltage range	V	15~45	
Maximum no-load voltage	V	72	
External dimensions (W×D×H)	mm	345×550×580(w/o Terminal cover and eyebolts)	
Mass	kg	51.2	
● Wire feeder	Model	CM-9202	
Wire diameter	mm	0.9, 1.0, 1.2, (1.4), (1.6)	
Wire type		Solid wire, Flux cored wire	
Wire feeding speed	m/min	Max. 22	
Mass	kg	9	
● Welding torch	Model	BT3510-30	BT5000-30
Rated current	A	350	500
Wire diameter	mm	(0.9), (1.0), 1.2	(1.2), 1.4, (1.6)
Duty cycle	%	60(CO ₂), 30(MAG)	
Cooling system		Air cooling	
● Control cables (6P)	Model	K10012Q01 (2m)	
● Gas hose	Model	K-5857	

Standard accessories

● Power source	CPVS-500
Glass enclosed fuse (10A, 250V)	1
Hex wrench (M8)	1
Ceramic fuse (4A, 500V)	1
● Wire feeder	CM-9202
Hose clamp (MH-4)	1
Allen wrench (No.6)	1

Optional Parts

● Control cables (6P)					
Cable length	2 m	5 m	10 m	15 m	20 m
Model	K10012Q01	K10012Q03	K10012Q04	K10012Q05	K10012Q06
● Gas hoses					
Hose length	5 m	10 m	15 m	20 m	25 m
Model	K-5857	K-5858	K-5859	K-5860	K-5875

■ Applicable welding process

Welding process	Shielding gas	Material	Wire diameter(mm)
DC	CO ₂	Mild steel solid wire	1.0, 1.2, 1.6
		Mild steel flux cored wire	1.0, 1.2, 1.6
	MAG	Mild steel solid wire	1.0, 1.2, 1.6

In accordance with DAIHEN's policy of make continuing improvements, design and/or specifications are subject to change without notice and without any obligation on the part of manufacturer.

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Environmentally friendly item, such as "Vegetable oil ink", is used for this catalogue.