



NEW

## PRODUCT FEATURES

● **IGBT**

Full Digital IGBT Inverter Control technology, gives best welding current waveform control of CO<sub>2</sub>/MAG arc phenomenon, results low spatter welding.

● **EASY OPERATION**

Less Buttons, Easy to Operate.

● **DIGITAL PARAMETER SETTING**

All parameter settings by digital operation

● **WELDING CONDITION STORAGE FUNCTION**

Up to 30 welding conditions can be stored, 10 regular used conditions can be read and operate from remote control box.

● **HIGH POWER FACTOR**



ECO

Due to High power factor, low input current is required; Therefore reduce cost due to less electricity consumption.

(CPVE-400: 0.95 ; CPVE-500: 0.96)

● **SAVING ENGERGY**



ECO

After stop welding a certain period of time, fan and flow-meter heater will automatically stop for saving energy.

● **NUMEROUS INTERNAL FUNCTION**

Initial condition / Penetration control / Anti stick time and voltage adjustment / Pre-flow and Post-flow time adjustment / Up slope and Down slope time adjustment.

● **CONNECT TO AUTOMATIC MACHINE**

Optional terminal for automatic machine available.

● **OPERATION LOCK FUNCTION**

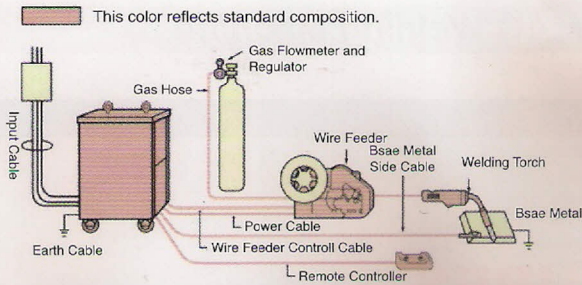
With key lock function, prevent unintentional operation that may change preset welding conditions.

● **PASSWORD LOCK FUNCTION**

With password function to lock welding conditions.



## Connection Diagram



## Input Power Capacity and Cable Specifications

ITEM	CPVE-400	CPVE-500
Power Source Voltage	380V or 415V ±10%	380V or 415V ±10%
Phase	3 Ph	3 Ph
Frequency	50/60Hz	50/60Hz
Input Power Capacity	18.9 KVA / 15.5 KW	26.1 KVA / 21.9 KW
Fuse / Breaker Capacity	40A	50A
Input Side Cable	More than 6 mm <sup>2</sup>	More than 10 mm <sup>2</sup>
Wire Feeder Side Power Cable	More than 50 mm <sup>2</sup>	More than 70 mm <sup>2</sup>
Base Metal Side Power Cable	More than 50 mm <sup>2</sup>	More than 70 mm <sup>2</sup>
Earth Cable	More than 6 mm <sup>2</sup>	More than 10 mm <sup>2</sup>

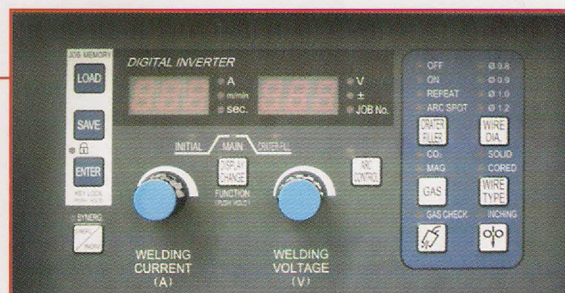
## Standard Composition and Specifications

Welding Power Source	CPVE-400	CPVE-500
Rated Input Voltage	380V or 415V ±10%	380V or 415V ±10%
Phase	3Ph	3Ph
Frequency	50/60Hz	50/60Hz
Rated Output Current	400A	500A
Rated Output Voltage	34V	39V
Gas	CO <sub>2</sub> / MAG	
Wire Type	Solid Wire, Flux-Cored Wire	
Rated Input	18.9 KVA / 15.5 KW	26.1 KVA / 21.9 KW
Rated Input Current	20.5 A	36.3 A
Range of Output Current	30 - 400 A	30 - 500 A
Range of Output Voltage	12 - 45 V	12 - 50 V
Rated Duty Cycle	60%	100%
Max. no-load Voltage	72 V	77 V
Memory	30	30
Insulating Level	H Level	H Level
Dimension (WxDxH)	345x632x580 (mm)	345x632x580 (mm)
Weight	55 Kg	61 Kg
Wire Feeder	CMXL-2301	
Welding Torch	WT3510-SD	WT5000-SD
Power Cable	BKPT-5002	BKPT-7002

## Standard Accessories

Name	Specification	Quantity	Remarks
Analog remote control	P30102Z00	1	
Hex wrench	M8	1	For output terminal screw
Heat-shrink tube	40mm	2	For terminals of output cables
Glass fuse	10 A, 250 V	1	For circuit board P30066Q
Glass fuse	2 A, 250 V	1	For circuit board P30066Q
Ceramic fuse	4 A, 500 V	1	F2

## User-friendly Control Panel



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