

# Panasonic

# 350/500GY3

The World's Most Preferred and Reliable  
**Fully Digital CO<sub>2</sub> MAG Welding Machine**



**Makes high-quality welding easier**

### World-class welding quality at your doorstep



Panasonic Welding Systems India has set-up its state-of-the-art manufacturing facility in India. So our globally proven range of welding equipment including MMAW, MIG/MAG, TIG, Plasma Cutting, Welding Accessories, and Welding Robots are now available at your doorstep.

With a nationwide network of dealers and prompt service and support, you can be sure of quality and performance that are truly world-class.

### Key features of 350/500GY3

- Makes high quality welding easier
- Stable welding performance across current range
- Excellent welding quality (low current range 50 to 120 A)
- Stainless steel MIG welding mode
- High-precision Full Digital Control allows soft and stable arc

### High performance wire feeding device

- Wire Feed Motor with Encoder- allows precision wire feed



- The motor attached with encoder ensures accurate feeding of welding wire, realising uniformed welding bead
- The stable feeding is obtainable even when external factors such as power supply, voltage, and wire feeding change
- Stable wire feeding-same welding condition is repeatable at various surroundings
- 2 drive, 2-slave feeding method adopts 2-point feeding with strong feeding force. The stable feeding is realised when stainless-steel welding wire, flux-cored welding wire and the torch with extension cable is used
- Faster service support across India
- All Panasonic Welding Equipment arc RoHS compliant



<http://panasonic.net/pws>

## Technical Specifications

Technical Specification	Unit	350GY3	500GY3
Rated Input Voltage	V	415VAC (Allowable fluctuation range: 374 to 456V)	415VAC (Allowable fluctuation range: 374 to 456V)
Rated Frequency	Hz	50/60Hz (Common)	50/60Hz (Common)
Number of Phase		3-phase	3-phase
Rated Input	kVA	14.5	23.3
	kW	14	22.4
Maximum Non-load Voltage	V	73 DC	68 DC
Rated Output Current	A	350 DC	500 DC
Rated Output Voltage	V	36 DC	45DC
Output Current Adjustable Range	A	30 - 350	60 -500
Output Voltage Adjustable Range	V	12 - 36	17 - 45
Rated Duty Cycle	%	60	100
Power Control Method	-	IGBT inverter type	IGBT inverter type
Memory	-	9 ch, reproducible storages	9 ch, reproducible storages
Applicable Welding Method	-	CO <sub>2</sub> , MAG, Stainless steel MIG	CO <sub>2</sub> , MAG, Stainless steel MIG
Waveform Control Method	-	Digital control: -7 (small) to +7 (large) (Standard: 0)	Digital control: -7 (small) to +7 (large) (Standard: 0)
Sequence	-	Main welding, Main welding - Crater ("Crater repeat" is available), Initial - Main welding - Crater ("Crater repeat" is available), Arc spot	Main welding, Main welding - Crater ("Crater repeat" is available), Initial - Main welding - Crater ("Crater repeat" is available), Arc spot
Applicable Shielding Gas		CO <sub>2</sub> (100%), MAG (80% argon and 20% CO <sub>2</sub> ) Stainless steel MIG (98% argon and 2% oxygen)	CO <sub>2</sub> (100%), MAG (80% argon and 20% CO <sub>2</sub> ) Stainless steel MIG (98 % argon and 2% oxygen)
Applicable Wire Size (Diameter)		0.8, 0.9, 1.0, 1.2	1.2, 1.4, 1.6
Applicable Wire Material (Note)		Mild steel (MS) Flux cored mild steel (MS_FCW) Stainless steel Flux cored stainless steel (SUS-FCW)	Mild steel (MS) Flux cored mild steel (MS_FCW) Stainless steel Flux cored stainless steel (SUS-FCW)
Gas Purge Time	-	1 second - 1 minute / continuous	1 second - 1 minute / continuous
Pre-flow Time	s	0.0 - 5.00 (Increment of 0.1) continuous	0.0 - 5.00 (Increment of 0.1) continuous
Post-flow Time	s	0.0 - 5.00 (Increment of 0.1) continuous	0.0 - 5.00 (Increment of 0.1) continuous
Arc Spot Time	-	0.3 - 10.0 (Increment of 0.1) continuous	0.3 - 10.0 (Increment of 0.1) continuous
Input Power Terminal	-	Terminal block (for 3-phase, M5 bolting)	Terminal block (for 3-phase, M5 bolting)
Output terminal	-	Copper terminal with M8 bolting	Copper terminal with M8 bolting
Dimension (Width x Depth x Height)	mm	380 X 550 X 645	380 X 550 X 815
Mass	kg	50	60
<b>Ordering Information</b>			
Power Source	-	YD-350GY3HJE	YD-500GY3HJE
Wire Feeder	-	YW-35DG1HA1	YW-50DG1HA1
Torch	-	YT-35CS4HAF/ YT-35CS4DAF	YT-50CS4HAF/ YT-50CS4DAF

Panasonic reserves the right to alter the specifications without notice.

# Panasonic

Range of Welding Equipment: MMAW | MIG/MAG | TIG | Plasma Cutting | Welding Accessories | Welding Robots  
Panasonic has set-up its own state-of-the-art welding equipment manufacturing facility near Gurgaon, Haryana, India.

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