

# DM-500RP

Low Spatter | High Speed  
Multi-Material Compatibility  
One Machine, Every Metal.

## Application

Sheet Metal Fabrication · Shipbuilding · Wind Power Generation  
Bridge Construction · Construction & Civil Engineering ·  
Automotive Manufacturing · Steel Structure Processing

## Features

- Advanced IGBT Inverter:** Energy-efficient with minimized copper and iron loss.
- Multi-Material Mastery:** One-stop solution for Aluminum, Stainless, and Carbon Steel.
- Ultra-Low Spatter:** Precision digital droplet control for clean, grind-free welds.
- Integrated Multi-Process:** Supports DC / Pulse / Double Pulse for versatile sheet metal tasks.
- 10-Channel Memory:** Instant recall of parameters for rapid thickness/wire changes.
- Closed-Loop Feedback:** Maintains stable arc even with extra-long torches.
- Perfect Root Pass:** Engineered for precision root welding and gap bridging.
- Hyper-Arc Technology:** Deep penetration for high-speed welding of medium-to-thick plates.
- Full Digital Control:** Intuitive panel on wire feeder for seamless on-the-fly adjustment.



## Specification

Input Power	V	220V, 3Φ	Duty cycle	-	500A / 60%
		380/415V, 3Φ			385A / 100%
Input voltage range	%	±15%	Pre flow time	Sec	0.00~9.99
Input frequency	HZ	50&60	Post flow time	Sec	0.00~9.99
Rated input capacity	KVA	28	Mig wire	mm	Φ0.8, Φ1.0
	KW	22.6			Φ1.2, Φ1.6
Rated output	V	39	Suggested welding depth	mm	0.8<
	A	500	Insulation class	-	H
Welding amperage range	A	20~500	Protection class	-	IP21S
Efficiency	%	82	Dimension (W*D*H)	mm	307*590*600
Open-circuit voltage	V	70	Net Weight	Kg	50.6

