



→ Ehave CM Series
A classical option for welding carbon steel.





Ehave CM Series

Classic carbon steel welding



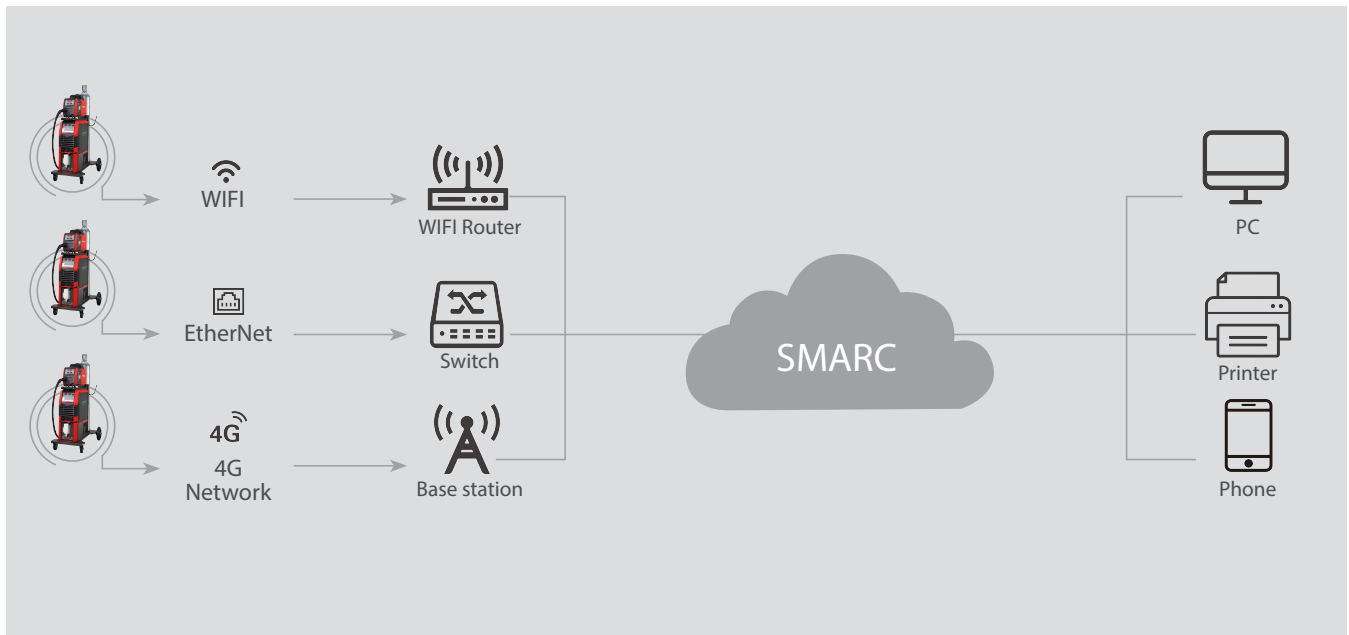
Features

- Digital Microprocessor Controlled Inverter Technology
- Synergic control
- Stable welding with stick-out length up to 30mm
- Inter-connection cable set extendable up to 30 m
- Supporting 3-in-1 cable set of high protection
- Standard locking function
- Standard Job saving features (up to 10 Job)
- Supporting SMARC for networking
- Available for 500A 100% @ 40°C for heavy duty application
- High tolerance with welding condition changes
- Proven record in heavy industries since 2012
- High tolerance against input voltage fluctuation (25%+/-)
- Superior reliability with self-protecting design and error code display for easy maintenance



IoT Capability and Informatization

Prepared for Industry 4.0 and the era of IoT



External Communication

With many communication connectors as options, MEGMEET welding systems are well prepared for seamless and digital connection with robot controller, and automatic welding systems



Networking

By using MEGMEET smarc group control system to realize welding informatization, the welding machine can be operated by wifi / 4G / network cable interconnection, and can be interconnected with MES, ERP and other systems



Software Updating

The welding machine is an intelligent hardware platform, which can upgrade the welding process and customize the function by refreshing the software so as to save the cost of purchasing the new machine

Product Parameter

Manual	Ehave CM500 H	Ehave CM500	Ehave CM400H	Ehave CM400I
Control Mode	Full Digital-Control			
Rated Input Voltage	AC 3PH 380V -25% ~ 400V +20% (3PH 285V ~ 3PH 475V)			
Input Frequency	30 ~ 80 Hz			
Rated Input Power	24KVA	22.3KVA	16.8KVA	13.5KVA
Power Factor	0.93	0.93	0.94	0.94
Efficiency	86%			
Rated OCV	75V	73.3V	63.7V	63.7V
Rated Output Current	30 ~ 500A	30 ~ 500A	30 ~ 400A	30 ~ 400A
Rated Output Voltage	12 ~ 45V	12 ~ 45V	12 ~ 38V	12 ~ 38V
Duty Cycle (40℃ / 10 min)	500A 100% @ 40℃	500A 60% @ 40℃ 390A 100% @ 40℃	400A 100% @ 40℃	400A 60% @ 40℃ 310A 100% @ 40℃
Applicable Material	Carbon Steel			
Welding Process	CO2 / MAG / FCAW / MMA			
Wire Diameter	φ 1.0 / 1.2 / 1.6 mm		φ 0.8 / 1.0 / 1.2 mm	
Welding Operation Mode	2T / 4T / Repeated 4T / Spot Welding			
Parameter Channel	10 (Standard)			
Inductance Scope (Soft / Strong Arc)	-9 ~ +9			
Communication with Robot Controller	Analog			
Reserved Communication Interface	CAN			
Cooling Mode	Intelligent Air Cool			
Wire-feeding Speed	1.4 ~ 24 m/min			
Certification	IEC 60974:1			
Protection Against Lightning	Class D (6000V/3000A)			
Wire feeding speed	1.4 ~ 24m/min			
Insulation Grade	H			
Ingress Protection	IP23 S			
Working Temperature	-39℃ ~+50℃ ; Humidity ≤ 95%			
Dimension (L / W / H)	620×300×480mm			
Gross Weight	55kg	52kg	48kg	48kg

Welding Process	Welding Material	Welding Wire Diameter (mm)	Shield-gas
Synergic CO ₂ & MAG	Solid wire / Carbon steel	1.0/1.2/1.6	100% CO ₂
	Solid wire / Carbon steel	1.0/1.2/1.6	80% Ar + 20% CO ₂
	Flux-cored / Carbon steel	1.2/1.4/1.6	100% CO ₂
DC MMA	Electrode	2.0 / 2.5 / 3.2 / 4.0 / 5.0 / 6.0 mm	

Wire-feeder	Standard	Advance	Euro
Connector	Japanese-type	Japanese-type	Euro
Roller	2-roller	4-roller	4-roller

