

# WELDING PRODUCTS

## Welding Cable



AS00115



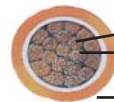
AS00118

### Main Products

bare wires  
magnetic wires  
rubber insulated electric wires  
plastics insulated electric wires  
tough rubber sheathed arc welding electrode cable  
tough rubber sheathed flexible cables for general purposes  
PVC-insulated & PVC - sheathed power cable  
PVC-insulated & PVC - sheathed control cable  
PVC-insulated & PVC - sheathed signal cable

### Flexible Copper - core cable for welding machines

1. Application - The product is applied up to A.C 200 V and pulsating D.C. 400V at the secondary of welding machine against the earth and connecting welding guns. The Max. continuous operating temperature of conductor is 65°C.
2. Type YH
3. Standard of Product - The product verified by CCEE accors with the demands of GB 5013.3 85 (equal to IEC 245)
4. Construction



1. conductor of the cable
2. isolated layer lapped thermo-resistant film or other fiber tapes
3. rubber insulated sheath

### 5. Specification

Nominal area of conductor mm	Conductive core No. of wire x Dia. mm	Max. overall Dia. of cable mm	Approx. weight of cable kg/km	Max. D.C. resistance of conductor at 20°C not more than rad./km	
				tinned	untinned
10	322/0.20	9.7	140	1.91	1.95
16	513/0.20	11.5	212	1.16	1.19
25	798/0.20	13.0	308	0.758	0.780
35	1121/0.20	14.5	423	0.536	0.552
50	1596/0.20	17.0	592	0.379	0.390
70	2214/0.20	19.5	828	0.268	0.276
95	2997/0.20	22.0	1088	0.198	0.204
120	1702/0.20	24.0	1374	0.161	0.164
150	2135/0.30	27.0	1666	0.1529	0.132
185	1443/0.40	29.0	2044	0.1069	0.108

Welding Cable Black		Welding Cable Orange		Black Neoprene Cable		Orange Neoprene Cable	
Code No.	Model	Code No.	Model	Code No.	Model	Code No.	Model
AS00105	300AMP	AS00109	300AMP	AS00113	300AMP	AS00116	300AMP
AS00106	400AMP	AS00110	400AMP	AS00114	400AMP	AS00117	400AMP
AS00107	500AMP	AS00111	500AMP	AS00115	500AMP	AS00118	500AMP
AS00108	600AMP	AS00112	600AMP	-	-	-	-

## Welding Machine (Diamond)

The modern moveable core current control. Compact AC ARC WELDER heavyduty core impregnated with high temperature varnish to protect against moisture, dust and thermal overload. Fan assisted cooling for greater reliability in heavy applications. Provision inside case for power factor correction kits if required.



AS00123

AS00122

AS00121

Code No.	Model	Rated Output Amperes 50% Duty Cycle	Welding Amperage Range	Maximum Open Circuit Volts	Amperes Input at Rated Load Out 50Hz 440V 230V	Electrode Size	Weight	Dimensions (With Handle) (Inch)		
								H	W	D
AS00121	AC200	200	L 70-190 H 110-220	65V	30 36	2.6mm-5mm	70kg	22½	13	17¾
AS00122	AC300	300	L 90-260 H 120-300	70V	35 -	2.6mm-5mm	95kg	24½	15	19
AS00123	AC400	400	L 95-200 H 200-400	70V	45 -	2.6mm-5mm	140kg	26½	16	20½

Code No.	Model
AS00119	130AMP
AS00120	190AMP

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# WELDING PRODUCTS

## WELDMASTER PORTABLE MMA SERIES

The WELDMASTER PORTABLE MMA 160/200 is a single-phase DC inverter arc welding power source with Constant Current (CC) output characteristics providing the best combination of power, portability and convenience. Designed for STICK and High Frequency TIG welding applications.

A good welding performance is available when welding stainless, mild steels and easy start.



AS00528/29

Code No.	AS00528		AS00529	
Model No.	MMA200		MMA160	
Machine Specifications				
Input Voltage	220V/240V 1ph 50/60Hz		220V/240V 1ph 50/60Hz	
Input Current	21A (32A)	32A (42A)	15A (22A)	23A (33.5A)
Insulation Class	H		H	
Open Circuit Voltage	62V/66V		56V/61V	
Duty Cycle (40°C)	100%@200A	60%@200A 100%@160A	100%@160A	60%@160A 100%@125A
Welding Current	10-200A		10-160A	
Load Voltage	18V	28V	16.4V	26.4V
Protection Class	IP21		IP21	
Dimensions (L x W x H)	420 x 160 x 265mm		420 x 160 x 265mm	
Weight	12.5kg		12kg	

## WELDMASTER HEAVY DUTY MMA SERIES

The WELDMASTER HEAVY DUTY MMA 300S/400S is a DC ARC Welding power supply with high performance characteristics. All the machines come standard with an arc force and hot start adjustment and, this power supply excellent for all types of stick electrodes, particularly the 6010 electrode. All machine are provided with lift TIG for high quality TIG starting with no High Frequency.

A good welding performance is available when welding stainless, mild steels and easy start.



AS00530/31/32

Code No.	AS00530		AS00531	
Model No.	MMA 300S		MMA 400S	
Machine Specifications				
Input Voltage	380V/415V 3ph 50/60Hz		380V/415V 3ph 50/60Hz	
Input Current	12.5A (16.5A)	17.2A (22.5A)	20.5A (25.3A)	26A (31.6A)
Insulation Class	H		H	
Open Circuit Voltage	78V/85V		78V/85V	
Duty Cycle (40°C)	100%@300A	60%@300A 100%@250A	100%@400A	60%@400A 100%@350A
Welding Current	10-300A		10-400A	
Load Voltage	22V	32V	26V	36V
Protection Class	IP23		IP23	
Dimensions (L x W x H)	550 x 300 x 490mm		550 x 300 x 490mm	
Weight	49kg		51kg	

## WELDMASTER PORTABLE TIG SERIES

The WELDMASTER PORTABLE TIG 200P/200A is a single-phase DC inverter arc welding power source with Constant Current (CC) output characteristics providing the best combination of power, portability and convenience. Designed for STICK and High Frequency TIG welding applications.

All machine are provided with a built in gas valve, down slope, pulser and high frequency starting. A fixed preflow is provided and the current level automatically adjusts postflow. A good welding performance is available when welding stainless, mild steels and easy start.



AS00538/39

Code No.	AS00538		AS00539	
Model No.	TIG 200P		TIG 200A	
Machine Specifications				
Input Voltage	220/240V 1ph 50/60Hz		220/240V 1ph 50/60Hz	
Input Current	21A (32A)	23A(33.5A)	18.5A(26A)	
Insulation Class	H		H	
Open Circuit Voltage	56/61V		42/46V	
Duty Cycle (40°C)	60%@200A 100%@160A	60%@160A 100%@140A	40% @200A	60% @160A
Welding Current	10-200A		10-200A	
Load Voltage	18V	26.4V	18V	
Protection Class	IP21		IP21	
Dimensions (L x W x H)	420 x 160 x 265mm		370 x 150 x 245mm	
Weight	12kg		9kg	

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**WELDMASTER®**

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## WELDMASTER PLASMA CUTTER PCM SERIES

The WELDMASTER PLASMA CUTTER PCM range is an air plasma cutting power supply with Constant Current (CC) output characteristics offering the highest value. High frequency, gas switch and post-flow function are all built in.

A good cutting performance is available when cutting stainless, mild steels, aluminium and easy start. A tough lightweight design makes it ideal for light industrial application.



AS00540



AS00543



AS00544

Code No.	AS00540	AS00543	AS00544
Model No.	PCM 40	PCM 80	PCM 150
Machine Specifications			
Input Voltage	220V/240V 1ph 50/60Hz	380V/415V 3ph 50/60Hz	380V/415V 3ph 50/60Hz
Input Current	18.6A (26.5A)	17A (21A)	51A (58A)
Insulation Class	H	H	H
Open Circuit Voltage	248V/271V	280V/306V	380V/415V
Duty Cycle (40°C)	40%@40A 100%@30A	100%80A	100%@150A
Cutting Current	15-40A	20-80A	20-150A
Load Voltage	96V	112V	140V
Gas Type/ Flow	Air @ 95lpm (200scfh)	Air @ 190lpm (400scfh)	Air @ 190lpm (400scfh)
Gas Pressure	4.8bar (70psi)	4.8bar (70psi)	4.8bar (70psi)
Protection Class	IP21	IP23	IP23
Dimensions (L x W x H)	420 x 160 x 265mm	550 x 300 x 490mm	560 x 360 x 880mm
Weight	12kg	58kg	105kg

## WELDMASTE HEAVY DUTY GMAW SERIES

The WELDMASTER HEAVY DUTY GMAW POWER 500CV/500MST provides excellent arc performance with solid wire in short circuit, globular and spray transfers, and with flux or metal core wires in globular and spray transfer modes.

Standard features include; a 14-pin amphenol connector and dual auxiliary power outlets (115VAC, 5A fuse protected), solid state contactor, output voltage regulation, built-in overload protection, volt and amp meters, citater, environmental protection for optimum reliability in harsh environments.



AS00536/37

Code No.	AS00536	AS00537		
Model No.	POWER 500CV	POWER 500MST		
Machine Specifications				
Input Voltage	380V/415V 3ph 50/60Hz	380V/415V 3ph 50/60Hz		
Input Current	35.5A (38.5A)	35.5A (38.5A)	36A (41A)	29A (33A)
Insulation Class	H	H		
Open Circuit Voltage	78V/85V	78V/85V		
Duty Cycle (40°C)	60%@500A 100%@450A	60%@500A 100%@450A		
Welding Current	30-500A	30-500A		
Load Voltage	39V	39V	40V	30V
Protection Class	IP23	IP23		
Dimensions (L x W x H)	560 x 365 x 640mm	560 x 365 x 640mm		
Weight	70kg	70kg		

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