



MMA(V-MOS) INVERTER WELDER

• Features

- 100kHz MOSFET technology
- High quality and power saving design
- Smooth and stable welding performance
- Compact size & lightweight
- Easy arc-starting
- Auto-compensation for voltage fluctuation

• Accessories



Standard:

- 2pcs KDP-16A

Optional:

- MMA Package1:300A Earth clamp and 3m 16mm² Cable
- MMA Package2:200A Electrode clamp and 3m 16mm² Cable
- Custom-designed luxury case

• Specifications

Standard:

- MMA/Stick
- Current knob
- O.C. LED light (O.C & O.H alarm)

Optional:

- Dual- voltage 110V/220V



Standard:

- MMA/Stick
- Current knob
- O.C. LED light (O.C & O.H alarm)
- Power Indicator

Optional:

- Steel casing: ARC140(R02)
- Dual voltage 110V/220V
- Anti-stick
- Lift arc
- V.R.D
- Digital display



Standard:

- MMA/Stick
- Current knob
- O.C. LED light (O.C & O.H alarm)
- Power Indicator

Optional:

- Steel casing: ARC160(R03)
- ABS shell: ARC160II(R49)
- Dual voltage 110V/220V
- Anti-stick
- Lift arc
- V.R.D
- Digital display(R03, R49)



Model/Item	ARC120(R01)	ARC140II(R81)	ARC160III(R102)
Input power voltage (V)	AC 230 ± 15% (single phase), 50/60Hz		
Rated input power capacity (KVA)	3.1	4.4	5.3
Input current (A)	13.5	19.1	23.0
No-load voltage (V)	52	56	56/9 (V.R.D)
Output current range (A)	10~110	10~130	20~155
Rated output voltage (V)	24.0	25.6	26.2
Duty cycle I _{max} (25°C)	35%	35%	60%
Duty cycle 100% (25°C)	65A	75A	120A
Efficiency (%)	85	85	85
Power factor	0.93	0.93	0.93
Insulation class	B	B	B
Protection class	IP23	IP23	IP23
Electrode Diameter(mm)	1.6~2.5	1.6~3.2	1.6~4.0
Size(mm)	230 × 120 × 170	375 × 172 × 305	400 × 150 × 260
Weight (kg)	3.5	3.5	8.0/7.2

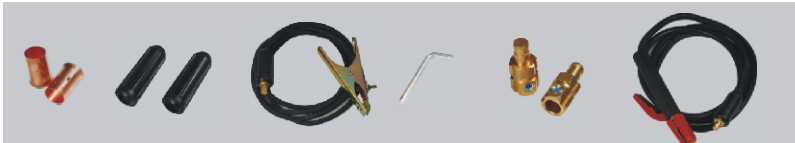


MMA(IGBT) INVERTER WELDER

• Features

- IGBT inverter technology
- Compact size & lightweight
- High quality and power saving design
- Hot start function
- Automatic voltage reduction coupled with an anti-stick function

• Accessories



Standard:

- 2pcs KDP-50A

Optional:

- MMA Package3:300A Earth clamp and 3m 25mm² Cable
- MMA Package4:300A Electrode clamp and 3m 25mm² Cable
- Custom-designed luxury case (ARC180)

• Specifications

Standard:

- MMA/Stick
- Current knob
- Built-in ARC Force
- Lift arc with VRD
- Anti-stick
- O.H. LED light

Optional:

- Steel casing
- Hot start
- V.R.D for MMA
- MMA V.R.D switch/light
- PFC function machine



Standard:

- MMA/Stick
- Current knob
- ARC Force knob
- Hot start
- Lift arc with VRD
- Anti-stick
- O.H. LED light

Optional:

- Hot start knob
- VRD for MMA
- MMA V.R.D switch/light
- Digital display
- PFC function



Item	ARC180(J96)	ARC200(J76)
Rated input voltage (V)	AC 230 ± 15% (single phase), 50/60Hz	
Rated input power (KVA)	8.2	9.4
Rated input current (A)	36	41
Welding current range (A)	10~180	10~200
No-load voltage (V)	76	70
Duty cycle I _{max} (40°C)	30%	30%
Duty cycle 100% (40°C)	100A	110A
Duty cycle 60% (40°C)	130A	145A
Efficiency (%)	85	85
Power factor	0.7	0.7
Protection class	IP21S	IP21S
Insulation class	F	F
Electrode Diameter(mm)	1.6~4.0	1.6~4.0
Size (mm)	336 × 120 × 198	345 × 150 × 220
Weight (Kg)	5.8	8.2