

The World's Smallest Multi-Process

Pulse MIG 180PGDM

Compact, Portable, Professional, Excellent, Pulse



- Full Digital and Advanced IGBT inverter technology.
- Multi-process: MIG-Mixed gas, MIG-Ar (with pulse), MIG-gasless, MMA & LIFT TIG.
- Synergic control, LED display, easy to operate.
- MIG pulse, more professional in welding aluminum due to the excellent heating controlling.
- Mixed gas and Argon gas selectable under MIG process.
- VRD, hot start and arc force function built-in, make you enjoy welding with desired welding shape.
- Inductance and Arc length can be fine adjusted.
- 2T/4T function, abundant modes to service various welding demands.
- Polarity change function inside, weld with no gas protection in this function by using flux-cored self-shield wire.
- Fan as needed, reduces noise and dust inside the machine.
- 1KG/5KG spool adaptive, enrich the choice of different spool.
- Intelligent protection: over-heating, over-current, over-voltage protection, convoy for the welder to keep power.

※Can be customized for dual voltage (115/230V) version.

Control panel

Simple and easy to operate, you can choose MMA, MIG, and Lift-TIG processes as you want. Under MIG Mode, Inductance and Arc length fine adjusted, and 2T/4T function will be helpful for welding.



Base Units Include

- 1 PCS inverter power source with 3m input power cord
- 1 PCS MIG torch, 3m cable with Euro connector.
- 1 PCS Stick electrode holder, 3m cable with Euro plug.
- 1 PCS Earth clamp, 3m cable with Euro plug.
- 1 PCS Gas hose, 3m.

Key Option

- Auto-Darkening Welding Helmet
- TIG 17V 4m torch.
- Roll, U type, V type with various diameters.

Technical data

ITEM	MIG 180PGDM		
	MIG	TIG	MMA
Power voltage (V)	1 phase, 230V±15%		
Frequency (Hz)	50/60		
Rated input current (A)	34	27.5	34
Output current adjustment (A)	50-180	10-180	10-160
Output voltage (V)	16.5-23	10.4-17.2	20.4-26.4
No-load voltage(V)	56	17 (VRD)	56
Duty cycle (%)/ 40°C	25		
Power factor	0.73		
Efficiency (%)	80		
Type of wire feeder	Internal		
Wire feeding speed (m/min)	3-11		
Post flow time (S)	1		
Wire diameter (mm)	0.8/1.0		
Insulation grade	F		
Housing protection grade	IP21		
Welding thickness (mm)	2-10		
Weight (kg)	8		
Overall dimension L*W*H (mm)	386*170*300		

Application specification

Light industrial steel structure, Machinery maintenance, Equipment manufacturing, mild steel, Stainless steel, alloyed steel, Aluminum etc

Welding current reference

Item	Welding Process	Thickness (mm)	Electrode dia. (mm)
Aluminum ,Carbon steel, low alloy steel and stainless steel	Stick	>1.0	2.0/2.5/3.2/4.0
	MIG-MIX	>0.5	0.6/0.8/(0.9)/1.0
	MIG-Ar(Pulse)	>1.0	1.0(Aluminum)
	Lift TIG	>0.5	1.6/2.4