

TDZ-SERIES MMA ARC WELDING MACHINE

TIME

GROUP INC

TDZ series

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The intelligent power source with whole-digital Microprocessor control bases on the digital platform of DSP (Hardware main circuit control) and ARM (panel communications). It applies the concept of modular design and fully reflects its characteristic of digitization, intelligent, automation, network and green. It provides a new experience for users. It can be updated easily by software. It can add new functions by software update, not change the hardware.



Main Functions

- Operation interface friendly, visual and easy to operate
- Fault detection intelligently
- Rich expansion interfaces and easy to connect with all kinds of welding equipments.
- Modular design, improve the products consistency and easy to update and maintain
- Air cooling system uses temperature control technology so reduce losses and noise effectively
- Variety of arc strike mode, scratch and lift arc are suitable for all kind of welding spots
- Preset the welding parameters individual and convenient to customize special welding process

Technical Specifications

Model		TDZ 4000	TDZ 5000	TDZ 6000
Rated input voltage		Three phases 380V ± 15% 50/60Hz		
Rated input capacity (X=60%)	MMA	400A/36V	500A/40V	630A/44V
Rated no-load voltage (V)		76 ± 5%		
Rated no-load current (A)		< 1		
Cycle (min)		10		
Power factor		COS φ ≥ 0.85		
Efficiency		η ≥ 85%		
Insulation grade		F		
Case protection grade		IP23S		
Duty cycle		60%		
MMA	Arc striking current (A)	0 400	0 500	0 630
	Thrust force (A/ms)	0 150		
	Welding current (A)	10 400	10 500	50 630
	Arc striking time (t)	0.1 2		
Dimensions (mm)		610 × 209 × 503	650 × 320 × 567	650 × 340 × 614
Net weight (kg)		33	47	58