



### PARS EL 502C

The Professional Rectifier series with possessing heavy duty power sources for critical welding in the workshop and all-weather field conditions. This machine is used in oil & gas industries, refinery, making metallic tanks, cars & ships industries, etc. The PARS-EL series have the ability of tuning static characteristic for different electrodes by adjusting Arc force potentiometer. PARS-EL is a three-phase electronic controlled machine. This system allows having a stabilized output current, easy striking and easy controlled molten puddle.

### Features

- ◆ Continuous regulation of welding current, Adjust ment can be made during welding
- ◆ A stable, spatter-free arc and easily controlled molten puddle
- ◆ Ability of MMA & TIG (LIFT) welding and gouging with ideal quality and selecting by multi-state switch (Pls. see the table)
- ◆ Digital display of pre-set and real current
- ◆ Changing electrical characteristic by adjustable "Arc force" for different electrodes (cellulosic, basic, rutile,...)
- ◆ Constant welding current regardless of cable length, arc voltage, mains voltage variation
- ◆ Anti-stick system & Auto detect remote control
- ◆ Excellent case protection against outsider agents and etc.
- ◆ Protection against all kinds of external noise
- ◆ Excellent striking capabilities
- ◆ Indicator for overload protection and protection against short circuit
- ◆ PCB protection against remote cable short circuit

- ◆ Lift arc system in TIG process with excellence as follows: High durability of electrode tip, prevent of molten puddle pollution, protection of torch & machine when short circuit in output, Excellent start process of TIG arc
- ◆ Protected system of potentiometer against applying over torque
- ◆ Multi-turn potentiometer for increasing of adjusting accuracy
- ◆ High efficiency, high power factor, and low mains current
- ◆ Digital display of pre-set and real current

### Accessories (Included)

- ◆ Male cable connector

### Optional Accessories

- ◆ Earth clamp and cable, Electrode holder and cable
- ◆ Air cooled TIG torch
- ◆ Argon Regulator
- ◆ Auto-Darkening Welding Helmet

TECHNICAL DATA		PARS - EL 502C	PARS - EL 502P
<b>WELDING OUTPUT</b>			
Current Range	A	20 - 500	
Welding Current @ 50% Duty Cycle <sup>1</sup>	A	500	
Welding Current @ 100% Duty Cycle (40°C)	A	390	
No. Load Voltage	V	85	
Welding Processes		MMA / TIG (LIFT)	MMA / TIG (LIFT) / Gouging
<b>MAINS CONNECTION (Three Phase, 50/60Hz, 400V)<sup>2</sup></b>			
Fuse	A	50 (D)	
Primary Current @ 100% Duty Cycle	A	33.5	
Installed power (max)	KVA	29.5	
No. Load Power	KW	0.78	1
Mains Cable Cross Section (Cu,Nayy)	mm <sup>2</sup>	4 x 6	
<b>MISCELLANEOUS</b>			
Cooling		Fan	
Protection Class (Acc. To IEC529)		IP21	
Insulation Class		F or H	
Weight	Kg	185	187
Dimensions ( L x W x H)	mm	890 x 650 x 760	860 x 450 x 720