

# EXPAT-4000i DCP-PRO

## Welder



EXPAT - 4000i DCP-PRO is digital DC pulse TIG models with MCU technology, suitable for both automation application and manual welding. DC pulse function minimize the heat input for thin materials and provide a faster freezing for uphill welding.

### FEATURES AND BENEFITS »

- Can remotely control current
- TIG: can select HF and scratching arc starting methods, have short welding, long welding, spot welding and repeat welding
- Pulse: adjustable base current, peak current, pulse frequency
- MMA: adjustable arc-starting current, arc force current, easy arc starting
- All parameters can be precisely adjusted in real time
- Widely used for nuclear power installation, pipe installation, shipbuilding, high pressure container, etc
- Suitable for stainless steel, carbon steel, copper, titanium welding

### PROCESSES »

DCTIG/MMA  
/DC Pulsed TIG

### STANDARD EQUIPMENTS »

- 400 Amps Power Source
- Argon Regulator with Hose
- 3 Meter Earth set
- Air cooled TIG Torch

**TECHNICAL SPECIFICATION**

<b>Model</b>		<b>EXPAT - 4000i DCP-PRO</b>
Rated input voltage/frequency		3 phase, 415V±10%, 50Hz
(Hz) Rated input capacity (KVA)		17.8
Rated input current (A)		25
Duty cycle (40C)		60%@400A
OCV(V)		71
MMA	Output current (A)	5-400
	Arc force (A)	10-200
TIG	Hot start (A)	20-160
	Output current (A)	5-400
	Pre-gas /post gas (s)	0.1-9.99/0.1-60
	Initial /final current (A)	10-160 /5-400
	Up-slope /down-slope (s)	0.1-10 /0.1-15
	Peak current (A)	5-400
	Base current (A)	5-400
	Pulse frequency (Hz)	0.2-20
	Pulse duty cycle	15%-85%
	Trigger mode	2/4T
	Arc ignition method	HF
Protection class		IP21S
Insulation class		H
Dimension (mm)		655*324*546
Weight (kg /lb)		42 /93