aps Innovate

INDUSTRIAL PORTABLE SMAW WELDER

DISCOVER 400 GLORY

SMAW/ARC Welding

TECHNICAL SPECIFICATION

Input Specifications

Input Supply: 330-500VAC , 3Ph , 50/60Hz
Input @ 400A / 36V : 17.8KVA / 22.7HP , 25A@415V
Input @ 300A / 32V: 11.8KVA / 15.1HP , 16.5A@415V
Input @ 250A / 30V: 9.3KVA / 11.8HP , 13A@415V

Mechanical Specifications

Dimensions (LxWxH): 565x270x450mm
(Power source)
Weight: 33kg

Functional Specifications

Arc Force: 0-100%
Hot Start: 0-100%

Output Specifications

Output Current Range: 10A to 400A
Duty Cycle @ 50%: 400A / 36V
Duty Cycle @ 100%: 250A / 30V
Open Circuit Voltage (OCV): 75V-95V DC

Protection Features

OT-Over Temperature (when internal temperature more than 70℃).
SP-Phase loss protection (when any phase is not present).
UV/OV-Input supply protection (when supply is <330V or >500VAC).
OC-Over Current (when over current flows through IGBT).

FUNCTIONAL FEATURES

ARC Force for smooth and crisp welds.
Hot Start Helps in rusted and dirty welds.

OTHER FEATURES

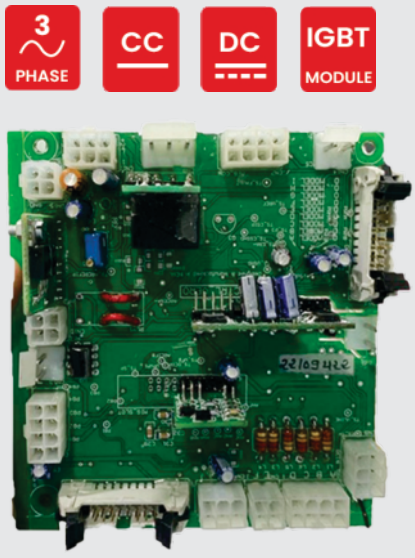
Remote Feature for controlling welding current using a hand held remote or foot pedal.

IP65 Panel parts dust and water protected front panel switches & buttons.

IP23 Rated chassis suitable for outdoor as well as indoor use.

Steel Body for long life and rugged usage.

Terminals Lug type heavy duty rated.



A four step process is followed to make every single PCB used in the machine, moisture and dust proof. This increases the life of PCB and also increases it's reliability. It also ensures proper functioning of component in PCB by preventing current bleed.

1. PROTECTION INDICATORS
2. LOCAL/REMOTE
3. STICK / TIG SWITCH
4. ARC FORCE
5. CURRENT SETTING
6. POSITIVE TERMINAL
7. TORCH TRIGGER
8. VOLTAGE/CURRENT DISPLAY
9. HOT START
10. REMOTE
11. NEGATIVE TERMINAL

A) Discover 400 Glory Tig power source

Order Code : APS - D400G

1) Electrode Holder 400A with 3 meter 35sqmm cable

Order Code: AEH400A3M35SQ

2) Earthing Clamp 400A with 3 meter 35sqmm cable

Order Code: AEC400A3M35SQ

AUTHORISED DEALER :

ADVANCED POWER SOURCES® LIMITED

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