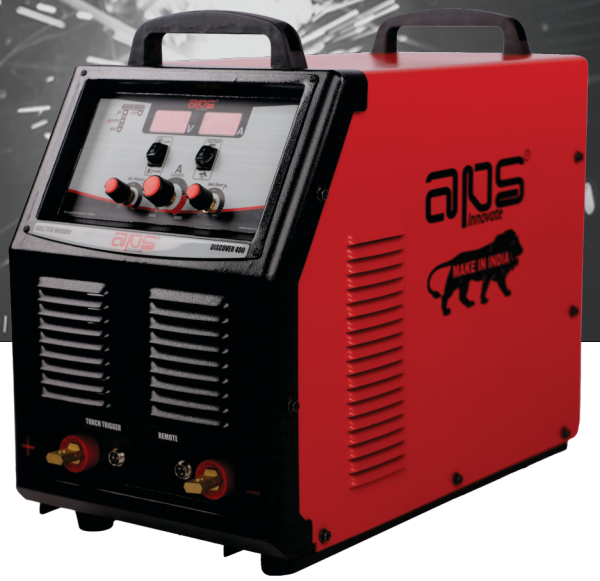
aps Innovate

INDUSTRIAL PORTABLE SMAW WELDER



DISCOVER 400

Arc/Stick/SMAW 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): 650X345X545mm
(Power source with wheels)
Weight: 45kg

Functional Specifications

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

Output Specifications

Output Current Range: 10A to 400A
Duty Cycle @ 60%: 400A / 36V
Duty Cycle @ 100%: 300A / 32V
Open Circuit Voltage (OCV): 75V-95V DC

Protection Features

OT-Over Temperature (when internal temperature more than 70oC).
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

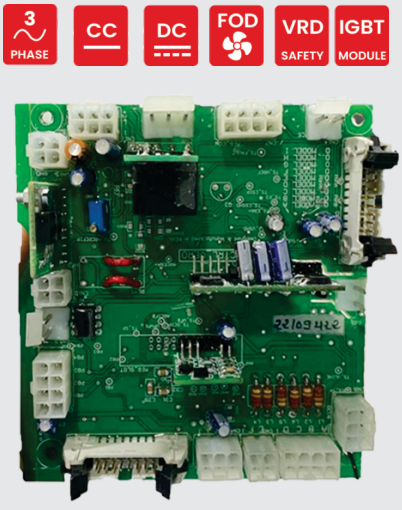
Remote Feature for controlling welding current using a hand held remote or foot pedal.

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

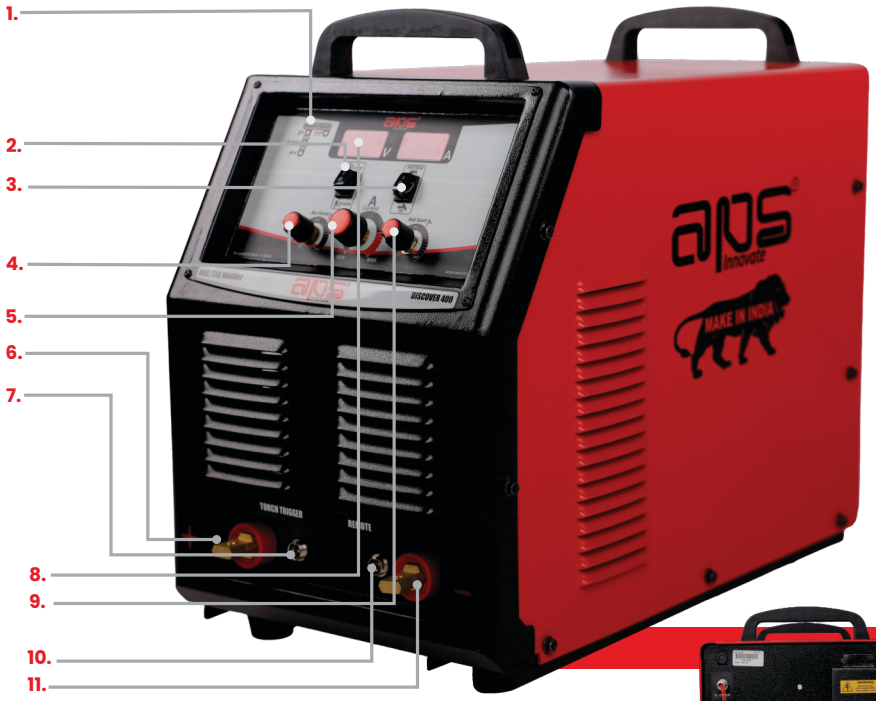
IP21 Rated chassis suitable for outdoor as well as indoor use.

Steel Body for long life and rugged usage.

Terminals Lug type heavy duty rated.



A four step process is follows to make every single PCB use in the machine, moisture and dust proof. This increase the of PCB and also increases the reliability. It also ensures proper functioning of each by preventing current.



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 power source

Order Code : APS - D400

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

Order Code: AEH400A3M35SQ

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

Order Code: AEH400A3M35SQ

3) Remote

REM8MTR

AUTHORISED DEALER :

ADVANCED POWER SOURCES® LIMITED
SURVEY NO 172/1, PAIKEE 2, OLD GIDC GUNDLAV, VALSAD, GUJARAT - 396035. INDIA
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DESIGNED AND MADE IN INDIA

ISO 9001
BUREAU VERITAS Certification