



**INDUSTRIAL
HEAVY DUTY
SMAW WELDER**

GENESIS 600HD

ARC/Stick/SMAW Welding
& Gouging



**GENESIS 600HD
SMAW WELDER**



TECHNICAL SPECIFICATION

Input Specifications

Input Supply: 345-500VAC , 3Ph , 50/60Hz, Generator Compatible.
Input @ 600A / 44V : 33KVA / 42HP , 46A@415V
Input @ 465A / 39V: 23KVA / 28.5HP , 31A@415V
Input @ 380A / 35V: 16.5KVA / 21HP , 23A@415V

Output Specifications

Output Current Range: 10A to 600A
Duty Cycle @ 60%: 600A / 44V
Duty Cycle @ 100%: 465A / 38V
Open Circuit Voltage (OCV): 75V-95V DC

Protection Features

OT-Over Temperature (when internal temperature more than 70°C).
SP-Phase loss protection (when any phase is not present).
UV/OV-Input supply protection (when supply is <345V or >500VAC).
OC-Over Current (when over current flows through IGBT)
FL-External Fault (for connecting PLC/Torch cooling unit).

FUNCTIONAL FEATURES

ARC Force for smooth and crisp welds.

Hot Start Helps in rusted and dirty welds.

Gas Test for testing Gas flow rate prior to welding.

Weld-O-Meter for measuring welding arc hours and ensuring welder productivity.

OTHER FEATURES

Fan-On-Demand feature reduces power consumption and dust ingress.

VRD Safety reduces Open Circuit Voltage to ensure welder safety.

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.

It's no secret that power components like IGBTs, diodes and rectifiers need to be operated reliably in harsh environments. That's why APS takes extra measures in designing its products: by isolating these components completely with steel compartments, we ensure their reliability when operating in extreme environments.

Mechanical Specifications

Dimensions (LxWxH): 650X745X600mm
(Power source with wheels)
Weight: 66.5kg

Functional Specifications

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



PANEL DESCRIPTION

CURRENT SETTING



PROTECTION INDICATORS



VOLTAGE/CURRENT DISPLAY



LOCAL/REMOTE



STICK / TIG SWITCH



ARC FORCE



HOT START



POSITIVE/NEGATIVE TERMINAL



TORCH TRIGGER



REMOTE



WELD-O-METER



FOD ON/OFF



2T / 4T SWITCH



MCB SWITCH



EARTHING



INPUT CABLE





A) Genesis 600HD power source
with wheels



Order Code: APS-G600HD

ACCESSORIES AND PACKAGES



1) Electrode Holder 400A with 3 meter
70sqmm cable



Order Code: AEH400A3M70SQ

2) Electrode Holder 400A with 3 meter
50sqmm cable



Order Code: AEH400A3M50SQ



3) Earthing Clamp 400A with 3 meter
70sqmm cable



Order Code: AEC400A3M70SQ

4) Earthing Clamp 400A with 3 meter
50sqmm cable



Order Code: AEC400A3M50SQ



4) Earthing Clamp 400A with 3 meter
50sqmm cable



Order Code: APS-REM8MTR

Authorised Dealer :



ADVANCED POWER SOURCES[®] LIMITED

SURVEY NO 172/1, PAIKEE 2, OLD GIDC GUNDLAV, VALSAD, GUJARAT - 396035. INDIA
PH: 9601 444 111 / 9601 444 222. EMAIL: sales@apswelding.com | www.apswelding.com