

POLARIS 400 / 500 / 630

Application :

Automobile
E-Mobility Mfg.
PEB Industry
Heavy Fabrication
Tanks & Vessels Mfg.
Power & Infra

Processes :

GMAW (MIG)
FCAW (Fluxcored)
SMAW (Stick)
GTAW (TIG)



Features :

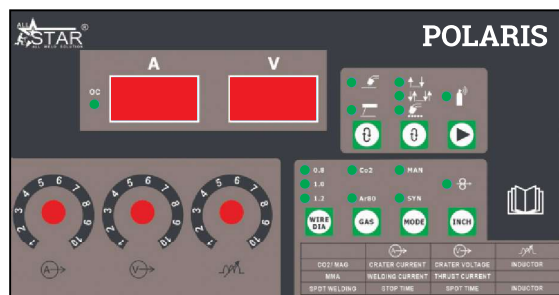
Soft Switching IGBT Inverter Technology
Synergic MIG Function
User Friendly Digital Front Panel
LED Display & Multi Function Encoder
Parameter Locking as Standard Feature
Step-less Voltage & Wire Feed Speed Control
LED Indicators for Mains ON & High Temperature Trip
LED Indicators with Membrane Switch for Selecting MIG/MMA, Wire Dia & Gas
Electronic Choke adjustment for better Arc Control
Crater Voltage & Time Setting
Pre & Post Gas Flow Setting
Burn back Setting available
Compatible to Generator Supply
Auxiliary Power Plug for Gas Presenter
4 Wheels for easy movement of machine on the shop floor
Efficiency of more than 85%
IP 23 Compliance
H Class Insulation



Technical Data :

Model	Input Supply	Input Power	Output Range	Rated Output	OCV	Dimension	Weight
POLARIS 400	400 V $\pm$ 15% 3 Phase 50/60 Hz	16 kVA	16 - 40 V 20 - 400 A	400 A @ 60% duty cycle	70 VDC	L : 680 mm W : 400 mm H : 562 mm	30 Kg.
POLARIS 500		25 kVA	16 - 45 V 20 - 500 A	500 A @ 60% duty cycle			33 Kg.
POLARIS 630		36 kVA	16 - 45 V 60 - 630 A	630 A @ 60% duty cycle			36 Kg.

Front Control Panel :



Wire Feeder :

24VDC Servo Motor
Solid-state Speed Control & Brake Circuit
4 Roll All-Gear-Driven Roll Carriers
Quick Release Drive Roll Pressure adjustment arm
Remote Voltage Control
Spool Cover to protect the Wire Spool from contamination



All-Gear-Driven 4 Roll Carriers :



Technical Data :

Input Supply	Wire Feed Speed	Wire Dia Capacity	Dimension	Weight
24 V	1.5 - 25 m/min	MS / SS / AL : 0.8 - 1.6 mm	L : 490 mm W : 350 mm H : 420 mm	14.5 kg.

Standard Package :

CC/CV Power Source - 4 Roll Drive Wire Feeder - Drive Rolls - 4.5 m Interconnecting Cable - 3 m Earthing Cable with Clamp - 3 m MIG Torch - CO₂ Heater - CO₂ Regulator with Flowmeter.