

# INVERTER RECTIFIER



## Special Features

- Hot Start and Anti Freeze of electrode
- Over load trip
- Compact in size
- Excellent welding characteristics
- Remote control facility for current
- All type of electrodes can be weld, including E - 6010 (cellular electrode)
- Can be used for TIG welding
- Stepless control of welding current
- Special designed for Indian power condition
- Inverter technology saves power
- Higher current range. 10-400 Amps DC ensures max. duty cycle and longer life of equipment
- 400 Amps @ 60 % duty cycle for 40° ambient temperature
- +10/-15% input voltage fluctuation
- Optional-Digital Ammeter/Voltmeter/Remote Controller

# TECHNICAL SPECIFICATIONS

MODEL	IR 400	IR 250	IR 600
TYPE	SEC. INVERTER / CHOPPER	SEC. INVERTER / CHOPPER	
CHARACTERISTICS	CC	CC	
INPUT SUPPLY VOLTAGE	415 V / 3 PH./50HZ.AC	415 V / 3 PH./50HZ.AC	
INPUT KVA @ 60 % DUTY CYCLE	18.5	10.70	40
@ 100 % DUTY CYCLE	12.50	08.20	26
KW @ 60 % DUTY CYCLE	17.30	09.80	38
@ 100 % DUTY CYCLE	11.00	07.40	24.7
MAX. INPUT CURRENT @ 60 % DUTY CYCLE	27 AMPS. AC	14.5 AMPS.AC	55 AMPS.AC
@ 100 % DUTY CYCLE	17 AMPS. AC	11.5 AMPS.AC	36 AMPS.AC
POWER FACTOR @ 60 % DUTY CYCLE	0.91	0.95	0.95
@ 100 % DUTY CYCLE	0.93	0.93	0.95
MAX. OUT PUT CURRENT @ 60 % DUTY CYCLE	400 AMPS. DC	250 AMPS.DC	600 AMPS.DC
@ 100 % DUTY CYCLE	310 AMPS. DC	190 AMPS.DC	470 AMPS.DC
OPEN CIRCUIT VOLTAGE	60 VDC	60 VDC	65 VDC
NO. OF STEPS	STEPLESS	STEPLESS	
LOAD VOLTAGE	20 - 36 VDC	20 - 30 VDC	20 - 45 VDC
LOAD CURRENT	10 - 400 AMP. DC	10 - 250 AMPS.DC	20 - 600 AMPS.DC
COOLING	FORCED AIR	FORCED AIR	
INSULATION CLASS	H	H	
CONFORMING I. S.	4559	4559	
OVER ALL DIMENSIONS (mm) APPROX. (L x W x H)	710 x 410 x 660	600 x 350 x 550	700 x 460 x 700
WEIGHT APPROX.	125 KG.	90 KG.	180 KG.

## Standard Accessories consisting of (Optional)

- ◆ Welding Cable with holder of 05 Mtrs. length
- ◆ Earthing Cable with Clamp of 05 Mtrs. length
- ◆ Welding Helmet
- ◆ Hand Gloves - 01 pair
- ◆ Wire Brush
- ◆ Chipping hammer
- ◆ Digital Ammeter and Voltmeter (optional)



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( In view of continuous development, we reserve the right to modify the design and / or dimensions without notice)