

### Portable Inverter type Welding Machine specification

Parameter	Specification
General	Portable inverter -based power source suitable for stick (SMAW) and TIG (GTAW) Lift Arc welding applications
Input Voltage	230V $\pm$ 15%, single phase, 50/60 Hz
Maximum Input Power	Stick (SMAW): 7.1 KW; TIG (GTAW - Lift Arc): 4.6 KW
Output Current Range	Stick (SMAW): 10 A - 200 A, TIG (GTAW -Lift Arc) :5A-200A
Welding Electrodes	6010, 7018, low alloy, SS (should be cellulosic)
No load voltage	More than 70 V
Duty Cycle	200A @ 30% 140A @ 60% 120A @ 100%
Cooling System	Fan -Cooled system with thermal protection
Enclosure Rating	IP 23/IP 44
Control & Display	Digital display with real -time voltage and amperage readings (Not mandatory, but preferred)
Safety Features	Overvoltage, Undervoltage, and Overheating Protection
Compliance	IEC 60974 - 1, CSA, or equivalent
Accessories	Electrode & Work lead, Earth clamp, Electrode holder, TIG Torch (should flexible head)
Weight	Less than 15kg
Country of Manufacturing	Europe, America, Australia & Japan
Price validity	60 days
Warranty	Two years



Documents	<ol style="list-style-type: none"> <li>1. Product manual/datasheet</li> <li>2. Spare parts list and price</li> <li>3. Company profile</li> <li>4. Availability of spares for 10 years</li> <li>5. OEM test certificates</li> <li>6. Local agent accreditation letter and workshop facility details</li> </ol>
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**Other Conditions.**

1. Minimum Two-year warranty is required.
2. The welding plant shall be of a reputed OEM make & currently available in Sri Lanka.
3. The machine shall be manufactured in Europe, America, Australia & Japan only.
4. Printed published product literature/catalogues & maintenance manual shall be sent along with the offer in English language.
5. Complete spare parts list with pricing to be forwarded along with the offer
6. The supplier company shall send its company profile along with the offer.
7. Local agent shall assure the availability of spare parts for the minimum of 10 years.
8. Equipment should provide with OEM test certificate, Conformity certificate
9. Subject to incoming inspection & performance test at the local agent facility.
10. The Company shall have authorized and accredited local agent in Sri Lanka, the local agent must maintain an established workshop facility to carryout maintenance work & performance tests, additionally, the agent shall be competent to complete all necessary repairs/maintenance work and respond within 24 hours.

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