

CUT100 SIC



Parameter	Value
Input Frequency	50 Hz
Rated Input Voltage	3-Phase 380V AC $\pm 10\%$
Input Voltage Range	340–420 V
No-Load Output Voltage	310 V
Plasma Cutting Current Range	25–100 A
Manual Arc Welding Current Range	0–170 A
MMA Duty Cycle at 40°C	170A @ 100%
Plasma Cutting Duty Cycle at 40°C	100A @ 100%
Maximum Clean Cut Thickness	1–30 mm
Maximum Severance Capacity	15 mm
Maximum Input Capacity	22 kVA
Unit Dimensions (L x W x H)	400 x 240 x 350 mm
Net Weight	12 kg

Key Features :

Advanced Inverter Technology

High-performance power electronics deliver superior switching efficiency, reduced power loss, and enhanced thermal performance for industrial reliability.

Three-Phase Industrial Power

AC380V $\pm 10\%$ input voltage range (340–420V) with 50Hz frequency, 15kVA capacity, and 22A maximum input current for stable industrial operation.

High System Efficiency

85% overall efficiency with 0.8 power factor minimizes energy consumption, reduces operating costs, and ensures optimal power utilization.

Forced Air Cooling System

Active thermal management maintains optimal component temperature during continuous operation, enabling sustained 100% duty cycle performance.

Industrial Protection Standards

IP23S ingress protection rating and Grade H insulation class ensure durability in demanding manufacturing and metalworking environments.

Compact Industrial Design

400x240x350mm dimensions with 12kg net weight provides exceptional power density for integration into automated systems and mobile operations.



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