

# PowerCUT-100H/130H

- With more power from an output current of 100~130Amps for cutting 35mm @ 500mm/min with handheld cutting.
- Designed for the operator can easily select exactly the right tool for job;
- Hand cutting or gouging, portable automation, X-Y table, and so on.



## Specifications

System	PowerCUT-100H	PowerCUT-130H
Input Voltages	380V, 3PH, 50/60Hz 400V, 3PH, 50/60Hz	380V, 3PH, 50/60Hz 400V, 3PH, 50/60Hz
Max. Load Power Capacity	15KVA	21.5KVA
Rated output voltage	120VDC	132VDC
Max output current	100A	130A
Open circuit voltage (OCV)	280VDC	280VDC
Duty cycle rating 40°C (105°F)	60% @100A	60% @130A
380V /400V, 3PH :	100% @80A	100% @100A
Operating temperature	-10°C~40°C	-10°C~40°C
Dimensions	680*310*650mm	680*310*650mm
Weight	42KG	45KG
Recommended gas inlet flow rate/pressure	Cutting: 460 scfh, 7.7 scfm @ 85 psi Gouging: 480 scfh, 8.0 scfm @ 70 psi	Cutting: 260 l/min (550 scfh) @ 85 psi Gouging: 212 l/min (450 scfh) @ 60 psi
Arc ignition mode	HF or Not HF	HF or Not HF
Certifications	CE, ROHS	CE, ROHS
Warranty	Power supplies have a 3-year warranty	Power supplies have a 3-year warranty

## Excellent Cutting Performance

- A powerful 60% duty cycle to handle long time production cutting in the toughest environments.
- Optional HF or Non-HF plasma Torch, more flexible.
- The torch is versatile and durable enough to handle a variety of jobs.
- Finish jobs faster with cut speeds two and three times greater than other traditional cutting process.
- Speed less time on secondary operations due to superior cut and gouge capacity.
- Topwell's long-life consumable deliver operating cost that is less than half the competition.



## Cutting Capacity (Carbon Steel)

	PowerCUT-100H	PowerCUT-130H
Capacity	Thickness @ Speed	Thickness@ Speed
Recommended cut	30mm @ 500mm/min	35mm @ 500mm/min
Severance (Hand cutting)	45mm@ 125mm/min	55mm @ 125mm/min
Pierce*	16mm	18mm

\*Pierce rating for handheld or with CNC torch height control

Gouge capacity	Removal rate	Groove profile
Plasma gouging		
Typical gouge	8.8kg/h	5.8mm Dx 7.1mm W

## Plasma torch

Handheld plasma torch:  
TP80 torch



CNC torch:  
TP105



TP120  
Handheld gouging torch



TP120  
Mechanical gouging torch



HIGH PERFORMANCE CUTTING

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