

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

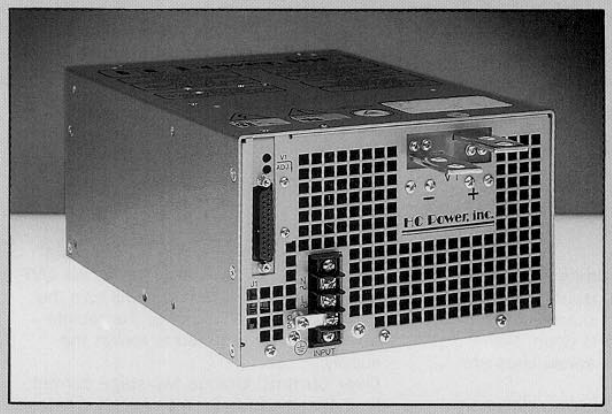
- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

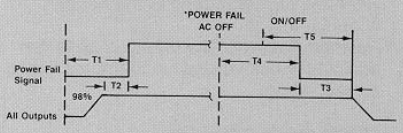
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Visit our website - *Click HERE*

HC2500 SERIES
2500 Watt Hi-reliability MOSFET Switchers



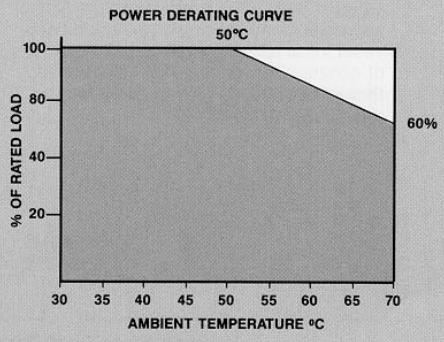
- .99 Power Factor
- Power MOSFET Design
- Current Mode Control
- Unique Two-Stage Current Limit
- Absolute Current Sharing
- No Minimum Load Required



T1 <0.5 Sec
T2 >10 MSec
T3 >5.0 MSec
T4 ≥ 20 MSec
T5 <5.0 MSec after application of remote ON/OFF Control or Overtemp

Power fail sink current = 50 MA. Source current from 3.3K pull up resistor to +5V if desired.

*Power fail signal is floating (open collector and emitter thru an optical coupler) and can be referenced as desired.



Dedicated to the design & manufacture of high power switchers.

HC2511 & HC2552 SERIES	2500 WATTS, NOMINAL, 1 OR 2 OUTPUTS			
OUTPUTS	MAIN 1 VDC@A	MAIN 2 VDC@A	V3 VDC@A	V4 VDC@A
SINGLE	24 @ 104 28 @ 89 36 @ 69 48 @ 52	N.A.	N.A.	N.A.
DUAL	24 @ 50 28 @ 45 36 @ 35 36 @ 26	24 @ 50 28 @ 45 36 @ 35 48 @ 26	N.A.	N.A.

(1) = Other output voltages available.

All specifications and data subject to change without notice.

HC Power, inc.

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HC2511 AND HC2552 SERIES SPECIFICATIONS

INPUT SPECIFICATIONS
AC Input Range: 180-264 VAC, 47-63 Hz, single phase. (Note: Supply will operate down to 90 VAC if derated to 1250 watts). Will operate on 400 Hz. Check factory.
DC Input Range: 250-380 VDC.
Inrush current: ≤nominal full load running current at 230 VAC.
Fusing: All units are fused internally.
Line Transient: Meets ANSI C62.41 (Formerly IEEE-587-1980)
Line Filtering: Complies with Level A of FCC Docket 20780 and VDE 0871.
Power Factor: ≥.99 at full load.
Total Harmonic Distortion: <5%.

OUTPUT SPECIFICATIONS
Output Power: 2500 Watts.
Number of Outputs: 1 or 2 (See table).
Voltage Adjust Range: ±10%.
Line Regulation: 0.2% over entire AC input range.
Load Regulation: ±0.2% no load to full load.
Ripple and Noise: (PARD) 1% when measured at the power supply terminals with a 20 MHz scope.
Hold Up Time: The outputs will remain in regulation for 30 milliseconds after loss of power within the specified operating range.
Turn On Delay: Under full load conditions all outputs will be in regulation in less than 1 second at 230 VAC line input.

Transient Response: The outputs will recover to within 1% of the initial setting within 100 microseconds following a step load change of 25% at a slew rate of 5 amps per microseconds. No overshoot or undershoot at turn on or turn off.
Output Polarity: The outputs are floating and may be referenced as desired by the user. Outputs may be operated up to 100 volts off chassis ground.
Minimum Load: No minimum load is required. Under no load condition the outputs will not go above the regulation band.

LOGIC AND CONTROL
Remote Sense: The outputs have remote sense which will compensate for up to 500 mV load cable loss. The outputs are sensed internally if a sense line is open. No damage will result if the sense lines are reversed or shorted.
Remote Margin: ±5%. (See installation instructions.)
Remote Inhibit: Standard.*
AC Power Fail Warning: A signal is provided at least 5 milliseconds before loss of any output voltage. Signal will not be activated for at least 20 milliseconds after loss of nominal AC power. Signal is provided through a Form C relay and may be referenced as desired.

Current Sharing: This feature is standard in this supply. Outputs of similar supplies will current share within ±5% from no load to full load when the supplies are interconnected by only a single wire.
Current Monitor: A calibrated voltage proportional to the output current is provided. 5 volts (±5%) at full load. Optional bar graph indicator is available.
DC-OK: A Form C relay is activated when the output changes ±5% from nominal. (10% for outputs of less than 5 volts.)

PROTECTION
Over Voltage Protection: If the output exceeds nominal by 15% (±5%) the OVP circuit will be activated and will turn the supply off. The AC input or the remote on/off must be recycled to restart the supply.
Over Current: Unique two stage current limit circuit allows for momentary overloads but will shut the supply down prior to damage to backplanes and wiring.
Thermal Shutdown: Supply will shut down if the internal temperature reaches an unsafe operating level. Restart is automatic when the supply returns to the normal operating range.
Reverse Polarity: The output is protected against reverse voltage up to the maximum current rating.

*Open or Logic 1 = On
Ground or Logic 0 = Off
Other configurations available.

ORDERING INFORMATION

Model HC25 □ — NUMBER OF OUTPUTS □ — VOLTAGE V1 □ V2 □ — OPTIONS (In Alpha Order) □ □

See Voltage Code Table

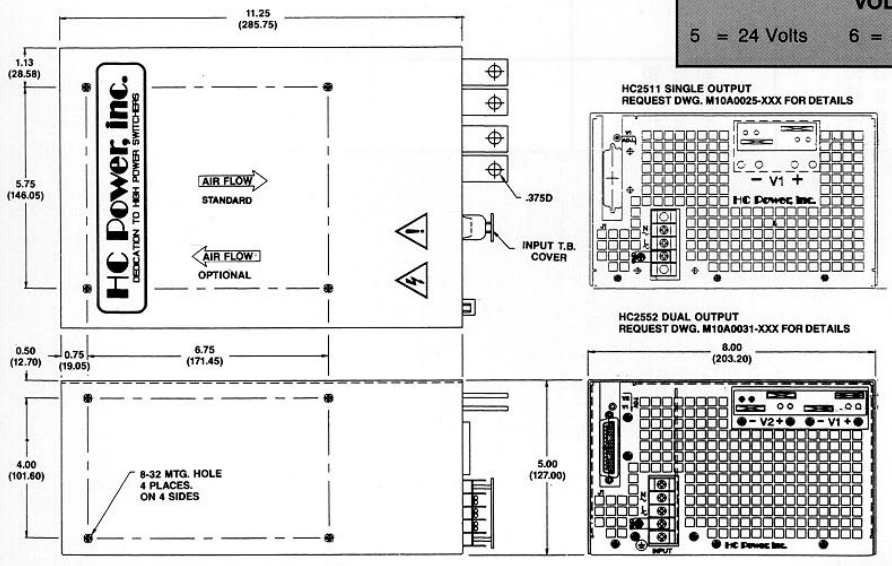
1 = Single Output
5 = Dual Output

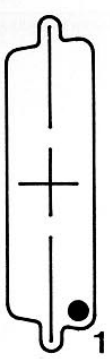
Option Codes: D = DC-OK
M = Low Current Alarm
R = Reverse airflow

Note: HC POWER can configure power supplies for your specific requirements. Please contact the factory.

VOLTAGE CODE TABLE

5 = 24 Volts	6 = 28 Volts	7 = 36 Volts	8 = 48 Volts





J1-1 = DC OK N/C
J1-2 = DC OK Com Optional
J1-3 = DC OK N/O
J1-4 = Power fail pull up
J1-5 = Enable pull up
J1-6 = Power fail
J1-7 = Power fail rtn.
J1-8 = Remote enable
J1-9 = Enable return
J1-10 = Current monitor V1
J1-11 = Margin ref. V1 optional
J1-12 = Margin V1 optional
J1-13 = Current share V1
J1-14 = (+) 5V logic
J1-15 = (–) sense V1
J1-16 = (+) sense V1
J1-17 = / / / /
J1-18 = (–) sense V2
J1-19 = (+) sense V2
J1-20 = Logic com. (1)
J1-21 = Logic com. (2)
J1-22 = Margin ref. V2 optional
J1-23 = Current share V2
J1-24 = Margin V2 optional
J1-25 = Current monitor V2

HC2511 SINGLE OUTPUT
HC2552 DUAL OUTPUT
WEIGHT 17 LBS.

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Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

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We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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