

Floating Output High Voltage Power System

- Voltage ranges from 0 to 3.5kV through 300kV
- Floating output voltage up to $\pm 300V$
- Output power from 0 to 12W up to 15kW
- 1/2 19" rack mount, 19" rack mount, or bench-top case



- Efficiency at 90%
- Fully programmable by 10-turn potentiometer
- Voltage and current monitors on all models
- Multiple computer interfaces available

Specifications subject to change without notice.



Higher Service, Higher Performance, Higher Reliability
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HCP SERIES

Floating Output High Voltage Power System

CONSTRUCTION

TBD

TOLERANCE

TBD

NOTES

For 6.5kV/2400W, models will be 2U higher with polarity reversal switch. For 3.5kV/2400W and 65kV (all power levels), models will be 2U higher and 100mm deeper with the polarity reversal switch. For outline drawings of the HCP Series chassis, please contact the factory.

SIZE

	3.5kV	6.5kV	12.5kV	20kV	35kV	65kV	100kV	150kV	200kV	300kV
12W	3U-A	3U-A	3U-A	3U-A						
30W	3U-A	3U-A	3U-A	3U-A	3U-D	3U-D				
75W								10U		29U
100W							5U			
120W	3U-A	3U-A	3U-A	3U-A	3U-D	3U-D			12U-B	
300W	3U-B	3U-B	3U-D	3U-D	3U-D	6U-A	5U	10U	29U	38U-A
600W	3U-C	3U-C	3U-E	3U-E	3U-E	8U	8U	10U	38U-B	38U-B
1.2kW	3U-D	3U-D	3U-F	3U-F	3U-F	9U-A	9U-A	12U-B	38U-B	38U-B
2.4kW	3U-E	3U-F	6U-B	6U-C	6U-C	9U-A				
4kW				6U-C	7U					
5kW	6U-C	6U-C	6U-C							
10kW	9U-B	9U-B	9U-B							
15kW	12U-A	12U-A								

3U-A	½ 19" [222mm] x 3U [133mm] x 13.78" [350mm]	3U-B	½ 19" [222mm] x 3U [133mm] x 17.72" [450mm]	3U-C	19" [443mm] x 3U [133mm] x 13.78" [350mm]
3U-D	19" [443mm] x 3U [133mm] x 17.72" [450mm]	3U-E	19" [443mm] x 3U [133mm] x 21.65" [550mm]	3U-F	19" [443mm] x 3U [133mm] x 25.59" [650mm]
5U	19" [443mm] x 5U [221mm] x 21.65" [550mm]				
6U-A	19" [443mm] x 6U [266mm] x 17.72" [450mm]	6U-B	19" [443mm] x 6U [266mm] x 21.65" [550mm]	6U-C	19" [443mm] x 6U [266mm] x 25.59" [650mm]
7U	19" [443mm] x 7U [310mm] x 25.59" [650mm]				
8U	19" [443mm] x 8U [355mm] x 21.65" [550mm]				
9U-A	19" [443mm] x 9U [399mm] x 21.65" [550mm]	9U-B	19" [443mm] x 9U [399mm] x 25.59" [650mm]		
10U	19" [443mm] x 10U [433mm] x 29.53" [750mm]				
12U-A	19" [443mm] x 12U [535mm] x 25.59" [650mm]	12U-B	19" [443mm] x 12U [535mm] x 29.53" [750mm]		
29U	23.62" [600mm] x 29U [1500mm] x 29.53" [750mm]				
38U-A	23.62" [600mm] x 38U [2000mm] x 23.62" [600mm]	38U-B	23.62" [600mm] x 38U [2000mm] x 31.50" [800mm]		



Making High Voltage Easier!®

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HCP SERIES

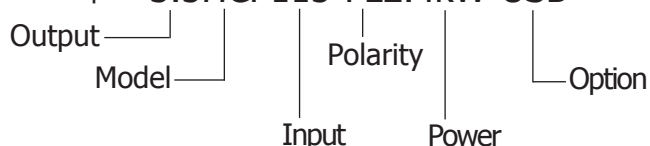
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ORDERING INFORMATION

Output	0 to 3.5kV Output	3.5
	0 to 6.5kV Output	6.5
	0 to 12.5kV Output	12.5
	0 to 20kV Output	20
	0 to 35kV Output	35
	0 to 65kV Output	65
	0 to 100kV Output	100
	0 to 150kV Output	150
	0 to 200kV Output	200
	0 to 300kV Output	300
Model	Series Name	HCP
Input	115V (12W to 1200W models only)	115
	230V (12W to 1200W models only)	230
	400V 3 Phase(2000W to 15kW models only)	400
Polarity	Positive Output	-P
	Negative Output	-N
	Floating Output (Isolation voltage up to $\pm 300\text{VDC}$)	-FL
Power	0 to 12W Output (3.5kV to 20kV models only)	12
	0 to 30W Output (3.5kV to 65kV models only)	30
	0 to 75W Output (150kV & 300kV models only)	75
	0 to 100W Output (100kV models only)	100
	0 to 120W Output (3.5kV to 65kV, 200kV models only)	120
	0 to 300W Output	300
	0 to 600W Output	600
	0 to 1.2kW Output	1.2kW
	0 to 2.4kW Output (3.5kV to 65kV models only)	2.4kW
	0 to 4kW Output (20kV & 30kV models only)	4kW
	0 to 5kW Output (3.5kV to 12.5kV models only)	5kW
	0 to 10kW Output (3.5kV to 12.5kV models only)	10kW
	0 to 15kW Output (3.5kV to 12.5kV models only)	15kW
Options	Rear panel RS232 interface	-RS232
	Rear panel RS422 interface	-RS422
	Rear panel Ethernet interface	-ETH
	Rear panel USB interface	-USB
	Rear panel LAN interface	-LAN
	Fine adjust potentiometer	-FA
	Analog interface 0 to 10VDC control & monitors	-I10I
	Floating analog interface 0 to 10VDC control & monitors	-I10I
	Lower ripple	-F
	Higher stability	-10PPM
	Low stored energy	-LSE
	Power limit	-CP
	Rackmount	-RACK

High resolution meters available. Contact the factory for more information.

Example: 3.5HCP115-FL2.4kW-USB



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*The HCP Series is not available in all territories. Please contact an UltraVolt Applications Engineer for details concerning sales in your area.



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