XP Power — High Voltage High Power Selector Guide — Over 500VDC

1.4W to 7W

HCB1.4 1.4W
- 0-1.25kVDC bipolar output
- 4 quadrant operation, active load
- High precision/stability & low ripple
- Continuous operation at full rated power
- Local & remote control via interface
- Digital, LAN, USB & analog interfaces
- Short circuit & arc protection

HCB2 2W
- 0-2kVDC bipolar output
- 4 quadrant operation, active load
- High precision/stability & low ripple
- Continuous operation at full rated power
- Local & remote control via interface
- Digital, LAN, USB & analog interfaces
- Short circuit & arc protection

HCB3.5 3.5W
- 0-3.5kVDC bipolar output
- 4 quadrant operation, active load
- High precision/stability & low ripple
- Continuous operation at full rated power
- Local & remote control via interface
- Digital, LAN, USB & analog interfaces
- Short circuit & arc protection

HCE7 7W
- 0-650VDC to 0-35kVDC output
- Single phase input
- High precision/stability & low ripple
- Continuous operation at full rated power
- 3U Eurocassette, 19" subrack mount
- Voltage control by potentiometer
- Analog programming interface

HCB7 7W
- 0-6.5kVDC bipolar output
- 4 quadrant operation, active load
- High precision/stability & low ripple
- Continuous operation at full rated power
- Local & remote control via interface
- Digital, LAN, USB, analog interfaces
- Short circuit & arc protection

14W to 35W

HCB14 14W
- 0-1.25kVDC to 0-12.5kVDC bipolar output
- 4 quadrant operation, active load
- High precision/stability & low ripple
- Continuous operation at full rated power
- Local & remote control via interface
- Digital, LAN, USB & analog interfaces
- Short circuit & arc protection

HCP14 14W
- 0-3.5kVDC to 0-20kVDC reversible output
- Single phase input
- High precision/stability & low ripple
- Continuous operation at full rated power
- Local & remote control via interface
- Digital and/or analog interface option
- Arc protection

MJ 15W
- 0-3kVDC to 0-30kVDC output
- Single phase input, multiple options
- Precision control & monitoring
- Remote & local voltage & current control
- Chassis mount module
- RS232/USB & optional Ethernet control
- Overload, short circuit & arc protection

HCB20 20W
- 0-2kVDC to 0-20kVDC bipolar output
- 4 quadrant operation, active load
- High precision/stability & low ripple
- Continuous operation at full rated power
- Local & remote control via interface
- Digital, LAN, USB & analog interfaces
- Short circuit & arc protection

HCE35 35W
- 0-650VDC to 0-35kVDC output
- Single phase input
- High precision/stability & low ripple
- Continuous operation at full rated power
- 3U Eurocassette,19" subrack mount
- Voltage control by potentiometer
- Analog programming interface

HCB35 35W
- 0-3.5kVDC bipolar output
- 4 quadrant operation, active load
- High precision/stability & low ripple
- Continuous operation at full rated power
- Local & remote control via interface
- Digital, LAN, USB & analog interfaces
- Short circuit & arc protection

HCP35 35W
- 0-3.5kVDC to 0-6.5kVDC reversible output
- Single phase input
- High precision/stability & low ripple
- Continuous operation at full rated power
- Local & remote control via interface
- Digital and/or analog interface option
- Arc protection

70W to 140W

HCB70 70W
- 0-6.5kVDC bipolar output
- 4 quadrant operation, active load
- High precision/stability & low ripple
- Continuous operation at full rated power
- Local & remote control via interface
- Digital, LAN, USB & analog interfaces
- Short circuit & arc protection

MK 75W
- 0-1kVDC to 0-60kVDC output
- Single phase input, multiple options
- Precision control & monitoring
- Remote & local voltage & current control
- Chassis mount module
- RS232/USB & optional Ethernet control
- Overload, short circuit & arc protection

FJ 120W
- 0-1kVDC to 0-60kVDC output
- Single phase 100-264VAC input
- Precision control & monitoring
- Low ripple <0.02%
- 1U 19" rack mount
- RS232/USB & optional Ethernet control
- Arc count & arc quench

HCP140 140W
- 0-3.5kVDC to 0-300kVDC output
- Reversible output up to 35kVDC
- High precision/stability & low ripple
- Continuous operation at full rated power
- Local & remote control via interface
- Digital and/or analog interface option
- Arc protection

HCB140 140W
- 0-12.5kVDC bipolar output
- 4 quadrant operation, active load
- High precision/stability & low ripple
- Continuous operation at full rated power
- Local & remote control via interface
- Digital, LAN, USB & analog interfaces
- Short circuit & arc protection

200W to 400W

HCK100 100J/s (200W)
- 0-2kVDC to 0-65kVDC reversible output
- Continuous or trickle charging
- High stability
- Continuous operation at full rated power
- Local & remote control via interface
- Digital and/or analog interface option
- Arc protection

MPL200 200W
- 0-10kVDC, 0-30kVDC & 0-50kVDC output
- Inductive & capacitive loads
- Unlimited operation at full load
- Multi-function display control
- High efficiency, low ripple & high stability
- LAN and USB interface
- Short circuit & arc protection

HCB200 200W
- 0-20kVDC bipolar output
- 4 quadrant operation, active load
- High precision/stability & low ripple
- Continuous operation at full rated power
- Local & remote control via interface
- Digital, LAN, USB & analog interfaces
- Short circuit & arc protection

MQ 300W
- 0-1kVDC to 0-60kVDC output
- Single phase input, multiple options
- Precision control & monitoring
- Chassis mount module
- Remote & local voltage & current control
- RS232/USB & optional Ethernet control
- Overload, short circuit & arc protection

FR 300W
- 0-1kVDC to 0-60kVDC output
- Single phase input
- Precision control & monitoring
- Low ripple <0.02%
- 1U 19" rack mount
- RS232/USB & optional Ethernet control
- Arc quench & arc count

HCP350 350W
- 0-3.5kVDC to 0-300kVDC output
- Reversible output up to 35kVDC
- High precision/stability & low ripple
- Continuous operation at full rated power
- Local & remote control via interface
- Digital and/or analog interface option
- Arc protection

HCK200 200J/s (400W)
- 0-2kVDC to 0-65kVDC reversible output
- Continuous or trickle charging
- High stability
- Continuous operation at full rated power
- Local & remote control via interface
- Digital and/or analog interface option
- Arc protection

500W to 1kW

MPL500 500W
- 0-10kVDC, 0-30kVDC & 0-50kVDC output
- Inductive & capacitive loads
- Unlimited operation at full load
- Multi-function display control
- High efficiency, low ripple & high stability
- LAN and USB interface
- Short circuit & arc protection

WJ 600W
- 0-70kVDC to 0-125kVDC output
- Single phase input
- Precision control & monitoring
- Low ripple <0.03%
- 3U 19" rack mount
- RS232/USB & optional Ethernet control
- Arc quench & arc count

HCP700 700W
- 0-3.5kVDC to 0-300kVDC output
- Reversible output up to 35kVDC
- High precision/stability & low ripple
- Continuous operation at full rated power
- Local & remote control via interface
- Digital and/or analog interface option
- Arc protection

MCA750 750W
- 0-750VDC to 0-3kVDC output
- Autoranging with fixed power limit
- CV/CC operation with automatic transition
- Continuous operation at full rated power
- Local & remote control via interface
- Digital, LAN, USB & analog interfaces
- Short circuit & arc protection

FT 750W
- 0-1kVDC to 0-60kVDC output
- Single phase input
- Low ripple <0.025%
- 1U 19" rack mount
- 0 to 100% programmable voltage & current
- RS232/USB & optional Ethernet control
- Arc quench & arc count

HCK400 400J/s (800W)
- 0-2kVDC to 0-65kVDC reversible output
- Continuous or trickle charging
- High stability
- Continuous operation at full rated power
- Local & remote control via interface
- Digital and/or analog interface option
- Arc protection

MPL1K0 1kW
- 0-3kVDC to 0-50kVDC output
- Inductive & capacitive loads
- Unlimited operation at full load
- Multi-function display control
- High efficiency, low ripple & high stability
- LAN and USB interface
- Short circuit & arc protection

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1.2kW to 1.6kW

EY 1.2kW
- 0-1kVDC to 0-60kVDC output
- Single phase input
- Voltage & current monitor outputs
- Low ripple <0.03%
- 2U 19" rack mount
- RS232/USB & optional Ethernet control
- Arc quench & arc count

HCP1K4 1.4kW
- 0-3.5kVDC to 0-300kVDC output
- Reversible output up to 35kVDC
- High precision/stability & low ripple
- Continuous operation at full rated power
- Local & remote control via interface
- Digital and/or analog interface option
- Arc protection

FL 1.5kW
- 0-750VDC to 0-1.5kVDC floating output
- Field strappable parallel operation
- Single phase input
- 1U 19" rack mount
- 0 to 100% programmable voltage & current
- RS232/USB & optional Ethernet control
- Arc quench & arc count

MCA1K5 1.5kW
- 0-750VDC to 0-3kVDC output
- Autoranging with fixed power limit
- CV/CC operation with automatic transition
- Continuous operation at full rated power
- Local & remote control via interface
- Digital, LAN, USB & analog interfaces
- Short circuit & arc protection

HCK800 800J/s (1.6kW)
- 0-2kVDC to 0-65kVDC reversible output
- Continuous or trickle charging
- High stability
- Continuous operation at full rated power
- Local & remote control via interface
- Digital and/or analog interface option
- Arc protection

2kW to 2.8kW

ET 2kW
- 0-1kVDC to 0-60kVDC output
- Single phase input
- Voltage & current monitor outputs
- Low ripple <0.03%
- 2U 19" rack mount
- RS232/USB & optional Ethernet control
- Arc quench & arc count

KT 2kW
- 0-70kVDC to 0-150kVDC output
- Single phase input
- Low ripple <0.05%
- 4U 19" rack mount
- 0 to 100% programmable voltage & current
- RS232/USB & optional Ethernet control
- Arc quench & arc count

OS 2kW
- 0-200kVDC to 0-450kVDC output
- Single phase input
- Open stack with 3U remote control panel
- Low ripple
- CV/CC operation
- RS232/USB & optional Ethernet control
- Arc quench & arc count

HCP2K8 2.8kW
- 0-3.5kVDC to 0-65kVDC reversible output
- Three phase input
- High precision/stability & low ripple
- Continuous operation at full rated power
- Local & remote control via interface
- Digital and/or analog interface option
- Arc protection

HCH2K8 2.8kW
- 0-100kVDC to 0-300kVDC output
- Three phase input
- CV/CC operation with automatic transition
- Continuous operation at full rated power
- Voltage & current setting by potentiometer
- Control modes indicated by LEDs
- Short circuit & arc protection

3kW to 4.2kW

EV 3kW
- 0-750VDC to 0-1.5kVDC floating output
- Single phase input
- Voltage & current monitor outputs
- Field strappable parallel operation
- 2U 19" rack mount
- RS232/USB & optional Ethernet control
- Arc quench & arc count

MCA3K0 3kW
- 0-750VDC to 0-3kVDC output
- Autoranging with fixed power limit
- CV/CC operation with automatic transition
- Continuous operation at full rated power
- Local & remote control via interface
- Digital, LAN, USB & analog interfaces
- Short circuit & arc protection

KR 3kW
- 0-2kVDC to 0-100kVDC output
- Single phase input
- Low ripple <0.05%
- 4U 19" rack mount
- 0 to 100% programmable voltage & current
- RS232/USB & optional Ethernet control
- Arc quench & arc count

HCK1K6 1.6kJ/s (3.2kW)
- 0-2kVDC to 0-65kVDC reversible output
- Continuous or trickle charging
- High stability
- Continuous operation at full rated power
- Local & remote control via interface
- Digital and/or analog interface option
- Arc protection

LH OS 4kW
- 0-200kVDC to 0-500kVDC output
- Three phase input
- Open stack with 4U remote control panel
- Low ripple <0.03%
- Constant V/I operation
- RS232/USB & optional Ethernet control
- Arc quench & arc count

HCP4K2 4.2kW
- 0-20kVDC to 0-35kVDC reversible output
- Three phase input
- High precision/stability & low ripple
- Continuous operation at full rated power
- Local & remote control via interface
- Digital, LAN, USB & analog interfaces
- Arc protection

HCH4K2 4.2kW
- 0-65kVDC to 0-300kVDC output
- Three phase input
- CV/CC operation with automatic transition
- Continuous operation at full rated power
- Voltage & current setting by potentiometer
- Control modes indicated by LEDs
- Short circuit & arc protection

5kW to 8kW

HPT5K0 5kW
- 0-800VDC
- Three phase input
- Programmable voltage (0 to 105%)
- Programmable current (0 to 110%)
- Analog & digital interfaces
- Active current sharing when paralleled
- Safety interlock

LH 5kW
- 0-1kVDC to 0-150kVDC output
- Three phase input
- Parallelable output to 25kW
- Low ripple <0.05%
- 6U 19" rack mount
- RS232/USB & optional Ethernet control
- Arc quench & arc count

HCK2K5 2.5kJ/s (5kW)
- 0-2kVDC to 0-65kVDC reversible output
- Continuous or trickle charging
- High stability
- Continuous operation at full rated power
- Local & remote control via interface
- Digital and/or analog interface option
- Arc protection

HCP5K0 5kW
- 0-3.5kVDC to 0-12.5kVDC reversible output
- Three phase input
- High precision/stability & low ripple
- Continuous operation at full rated power
- Local & remote control via interface
- Digital and/or analog interface option
- Arc protection

MCA6K0 6kW
- 0-750VDC to 0-3kVDC output
- Autoranging with fixed power limit
- CV/CC operation with automatic transition
- Continuous operation at full rated power
- Local & remote control via interface
- Digital, LAN, USB & analog interfaces
- Short circuit & arc protection

HYN7K0 7kW
- 0-20kVDC output
- Three phase input
- CV/CC operation with automatic transition
- Suitable for inductive & capacative loads
- Voltage & current setting by potentiometer
- Interlock loop
- Short circuit protection

OQ 8kW
- 0-200kVDC to 0-500kVDC output
- Three phase input
- Open stack with 4U remote control panel
- Low ripple <0.01%
- Constant V/I operation
- RS232/USB & optional Ethernet control
- Arc quench & arc count

9kW to 10kW

MCA9K0 9kW
- 0-750VDC to 0-3kVDC output
- Autoranging with fixed power limit
- CV/CC operation with automatic transition
- Continuous operation at full rated power
- Local & remote control via interface
- Digital, LAN, USB & analog interfaces
- Short circuit & arc protection

LQ 10kW
- 0-1kVDC to 0-12kVDC output
- Three phase input, multiple options
- Parallelable output to 50kW
- Low ripple <0.1%
- 5U 19" rack mount
- RS232/USB & optional Ethernet control
- Arc quench & arc count

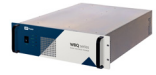
HCK5K0 5kJ/s (10kW)
- 0-2kVDC to 0-65kVDC reversible output
- Continuous or trickle charging
- High stability
- Continuous operation at full rated power
- Local & remote control via interface
- Digital and/or analog interface option
- Arc protection

HCP10K0 10kW
- 0-3.5kVDC to 0-12.5kVDC reversible output
- Three phase input
- High precision/stability & low ripple
- Continuous operation at full rated power
- Local & remote control via interface
- Digital and/or analog interface option
- Arc protection

BQ 10kW
- 0-15kVDC to 0-100kVDC output
- Three phase input, multiple options
- Parallelable output to 50kW
- Low ripple <0.05%
- 7U 19" rack mount
- RS232/USB & optional Ethernet control
- Arc quench & arc count

HCH10K0 10kW
- 0-20kVDC to 0-300kVDC output
- Three phase input
- CV/CC operation with automatic transition
- Continuous operation at full rated power
- Voltage & current setting by potentiometer
- Control modes indicated by LEDs
- Short circuit & arc protection

WBQ 10kW
- Up to 100kVDC output
- Three phase input
- Parallelable output to 100kW+
- Low ripple <0.03%
- 3U 19" rack mount
- Analog & digital control via CAN; EtherCAT optional
- Short circuit, arc quench, arc count, overload protection



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10.5kW to 20kW

HYN10K5 10.5kW

- 0-20kVDC output
- Three phase input
- CV/CC operation with automatic transition
- Suitable for inductive & capacative loads
- Voltage & current setting by potentiometer
- Interlock loop
- Short circuit protection

HYN14K0 14kW

- 0-20kVDC output
- Three phase input
- CV/CC operation with automatic transition
- Suitable for inductive & capacative loads
- Voltage & current setting by potentiometer
- Interlock loop
- Short circuit protection

HCK7K5 7.5kJ/s (15kW)

- 0-2kVDC to 0-12.5kVDC output
- Continuous or trickle charging
- High stability
- Continuous operation at full rated power
- Local & remote control via interface
- Digital and/or analog interface option
- Arc protection

HCP15K0 15kW

- 0-3.5kVDC to 0-12.5kVDC reversible output
- Three phase input
- High precision/stability & low ripple
- Continuous operation at full rated power
- Local & remote control via interface
- Digital, LAN, USB & analog interfaces
- Arc protection

HCH15K0 15kW

- 0-20kVDC to 0-300kVDC output
- Three phase input
- CV/CC operation with automatic transition
- Continuous operation at full rated power
- Voltage & current setting by potentiometer
- Control modes indicated by LEDs
- Short circuit & arc protection

HCH20K0 20kW

- 0-650VDC to 0-300kVDC output
- Three phase input
- CV/CC operation with automatic transition
- Continuous operation at full rated power
- Voltage & current setting by potentiometer
- Control modes indicated by LEDs
- Short circuit & arc protection

HCK10K0 10kJ/s (20kW)

- 0-2kVDC to 0-65kVDC output
- Continuous & pulsed capacitor charger
- High stability
- Continuous operation at full rated power
- Local & remote control via interface
- Digital, LAN, USB & analog interfaces
- Arc protection

21kW to 28kW

MYN21K0 21kW

- 0-650VDC to 0-2kVDC isolated output
- Three phase input
- CV/CC operation with automatic transition
- Suitable for inductive & capacative loads
- Voltage & current setting by potentiometer
- Interlock loop
- Short circuit protection

HYN21K0 21kW

- 0-3.5kVDC to 0-20kVDC output
- Three phase input
- CV/CC operation with automatic transition
- Suitable for inductive & capacative loads
- Voltage & current setting by potentiometer
- Interlock loop
- Short circuit protection

GX 25kW

- 0-1kVDC to 0-100kVDC output
- Three phase input, multiple options
- Parallelable to 200kW
- Low ripple <0.1%
- 11U 19" rack mount
- RS232/USB & Ethernet control
- Arc quench & arc count

MYN28K0 28kW

- 0-650VDC to 0-2kVDC isolated output
- Three phase input
- CV/CC operation with automatic transition
- Suitable for inductive & capacative loads
- Voltage & current setting by potentiometer
- Interlock loop
- Short circuit protection

HYN28K0 28kW

- 0-3.5kVDC to 0-20kVDC output
- Three phase input
- CV/CC operation with automatic transition
- Suitable for inductive & capacative loads
- Voltage & current setting by potentiometer
- Interlock loop
- Short circuit protection

30kW to 40kW

HCH30K0 30kW

- 0-650VDC to 0-300kVDC output
- Three phase input
- CV/CC operation with automatic transition
- Continuous operation at full rated power
- Voltage & current setting by potentiometer
- Control modes indicated by LEDs
- Short circuit & arc protection

MYN35K0 35kW

- 0-650VDC to 0-2kVDC isolated output
- Three phase input
- CV/CC operation with automatic transition
- Suitable for inductive & capacative loads
- Voltage & current setting by potentiometer
- Interlock loop
- Short circuit protection

HYN35K0 35kW

- 0-3.5kVDC to 0-20kVDC output
- Three phase input
- CV/CC operation with automatic transition
- Suitable for inductive & capacative loads
- Voltage & current setting by potentiometer
- Interlock loop
- Short circuit protection

HCH40K0 40kW

- 0-650VDC to 0-300kVDC output
- Three phase input
- CV/CC operation with automatic transition
- Continuous operation at full rated power
- Voltage & current setting by potentiometer
- Control modes indicated by LEDs
- Short circuit & arc protection

HCK20K0 20kJ/s (40kW)

- 0-2kVDC to 0-65kVDC output
- Continuous & pulsed capacitor charger
- High stability
- Continuous operation at full rated power
- Local & remote control via interface
- Digital, LAN, USB & analog interfaces
- Arc protection

50kW to 400kW

HCH50K0 50kW

- 0-650VDC to 0-300kVDC output
- Three phase input
- CV/CC operation with automatic transition
- Continuous operation at full rated power
- Voltage & current setting by potentiometer
- Control modes indicated by LEDs
- Short circuit & arc protection

MYN50K0 50kW

- 0-2kVDC isolated output
- Three phase input
- CV/CC operation with automatic transition
- Suitable for inductive & capacative loads
- Voltage & current setting by potentiometer
- Interlock loop
- Short circuit protection

HYN50K0 50kW

- 0-12.5kVDC to 0-20kVDC output
- Three phase input
- CV/CC operation with automatic transition
- Suitable for inductive & capacative loads
- Voltage & current setting by potentiometer
- Interlock loop
- Short circuit protection

MYN70K0 70kW

- 0-650VDC to 0-1.25kVDC isolated output
- Three phase input
- CV/CC operation with automatic transition
- Suitable for inductive & capacative loads
- Voltage & current setting by potentiometer
- Interlock loop
- Short circuit protection

HYN70K0 70kW

- 0-3.5kVDC to 0-6.5kVDC output
- Three phase input
- CV/CC operation with automatic transition
- Suitable for inductive & capacative loads
- Voltage & current setting by potentiometer
- Interlock loop
- Short circuit protection

HPV 5kW to 400kW

- Positive or negative output voltages 0VDC to 320kVDC
- Output power 5kW to 400kW
- Output resistor to limit arcing current
- Control via analog interface 0VDC to 10VDC = 0 to 100%
- Short circuit & overload protection

High voltage divider

HVT

- Input voltages from 50kV to 450kV
- Measurement accuracy as high as ≤0.1%
- High stability of 0.2%
- Temperature coefficient 15ppm/°C
- Voltage coefficient of 0.12ppm/V
- Roller mounted design for easy positioning
- BNC connector

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