



POWERTRON INDIA PVT LTD

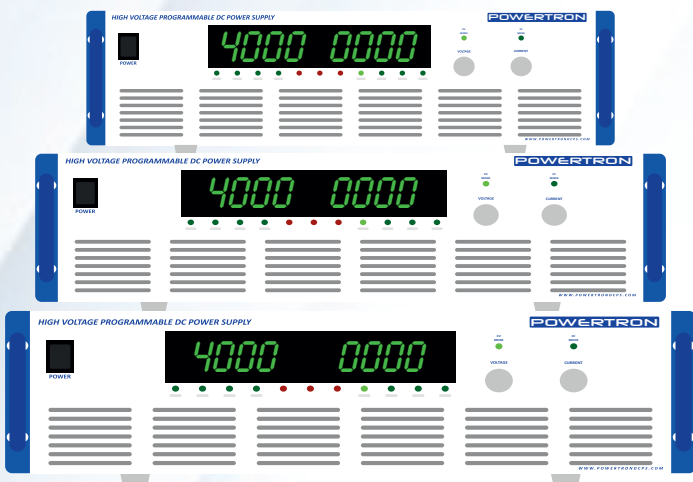
HPDP Series



PROGRAMMABLE HV DC POWER SUPPLY

Features

- MAX.RATED OUTPUT 500W TO 8KW, CUSTOMIZED UP TO 50KW
- MAX.RATED VOLTAGE FROM +1000V TO +50KV
- OPTION FOR NEGATIVE OUTPUT FROM -1000V TO -50KV
- LOW RIPPLE, HIGH STABILITY
- NO OVERSHOOT DURING STARTUP
- SOFT START BY HARDWARE & ADJUSTABLE VOLTAGE RISE TIME BY SOFTWARE
- LIST MODE FUNCTION, AUTO RUN FUNCTION
- PRESET FUNCTION, SETTING OF VOLTAGE AND CURRENT WITH OUTPUT OPEN CIRCUIT
- MULTIPLE PROTECTIONS: OVP, OTP, ACF AND CURRENT LIMIT PROTECTIONS
- STANDARD INTERFACE: RS232 & RS485, SUPPORT MODBUS-RTU COMMANDS
- OPTIONAL INTERFACE: DC 0-5V, 0-10V OR 4-20MA INTERFACE FOR CONTROL AND FEEDBACK; LAN INTERFACE.



POWER UTILITIES



AEROSPACE &
DEFENCE ELECTRONICS



SEMICONDUCTOR
MANUFACTURING



R & D
LABORATORIES



AUTOMOTIVE & EV
INDUSTRY



INDUSTRIAL
AUTOMATION



RENEWABLE
ENERGY

Model (600W)	Rated Output			Voltage Ripple	Programming Resolution			Display Resolution	
	V	A	OVP		V	A	OVP	V	A
PIPL-1KP600-HPDP	0~1000V	0~600mA	0~1050V	≤0.05% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-1KN600-HPDP	-200~-1000V	0~600mA	-200~-1050V	≤0.05% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-1.2KP500-HPDP	0~1200V	0~500mA	0~1260V	≤0.05% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-1.2KN500-HPDP	-240~-1200V	0~500mA	-240~-1260V	≤0.05% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-1.5KP400-HPDP	0~1500V	0~400mA	0~1575V	≤0.05% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-1.5KN400-HPDP	-300~-1500V	0~400mA	-300~-1575V	≤0.05% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-2KP300-HPDP	0~2000V	0~300mA	0~2100V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-2KN300-HPDP	-400~-2000V	0~300mA	-400~-2100V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-3KP200-HPDP	200~3000V	0~200mA	200~3150V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-3KN200-HPDP	-600~-3000V	0~200mA	-600~-3150V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-4KP150-HPDP	200~4000V	0~150mA	200~4200V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-4KN150-HPDP	-800~-4000V	0~150mA	-800~-4200V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-5KP120-HPDP	300~5000V	0~120mA	300~5250V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-5KN120-HPDP	-1000~-5000V	0~120mA	-1000~-5250V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-6KP100-HPDP	400~6000V	0~100mA	400~6120V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-6KN100-HPDP	-1200~-6000V	0~100mA	-1200~-6120V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-8KP75-HPDP	500~8000V	0~75mA	500~8400V	≤0.1% FS	1V	0.01mA	1V	1V	0.01mA
PIPL-8KN75-HPDP	-1600~-8000V	0~75mA	-1600~-8400V	≤0.1% FS	1V	0.01mA	1V	1V	0.01mA
PIPL-10KP60-HPDP	800~10000V	0~60mA	800~10500V	≤0.1% FS	1V	0.01mA	1V	1V	0.01mA
PIPL-10KN60-HPDP	-2000~-10000V	0~60mA	-2000~-10500V	≤0.1% FS	1V	0.01mA	1V	1V	0.01mA
PIPL-12KP50-HPDP	1000~12000V	0~50mA	1000~12600V	≤0.1% FS	1V	0.01mA	1V	1V	0.01mA
PIPL-12KN50-HPDP	-2400~-12000V	0~50mA	-2400~-12600V	≤0.1% FS	1V	0.01mA	1V	1V	0.01mA

Model (1200W)	Rated Output			Voltage Ripple	Programming Resolution			Display Resolution	
	V	A	OVP		V	A	OVP	V	A
PIPL-1KP1200-HPDP	0~1000V	0~1200mA	0~1050V	≤0.1% FS	1V	1mA	1V	1V	1mA
PIPL-1KN1200-HPDP	-200~-1000V	0~1200mA	-200~-1050V	≤0.1% FS	1V	1mA	1V	1V	1mA
PIPL-1.2KP1000-HPDP	0~1200V	0~1000mA	0~1260V	≤0.1% FS	1V	1mA	1V	1V	1mA
PIPL-1.2KN1000-HPDP	-240~-1200V	0~1000mA	-240~-1260V	≤0.1% FS	1V	1mA	1V	1V	1mA
PIPL-1.5KP800-HPDP	0~1500V	0~800mA	0~1575V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-1.5KN800-HPDP	-300~-1500V	0~800mA	-300~-1575V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-2KP600-HPDP	0~2000V	0~600mA	0~2100V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-2KN600-HPDP	-400~-2000V	0~600mA	-400~-2100V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-3KP400-HPDP	200~3000V	0~400mA	200~3150V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-3KN400-HPDP	-600~-3000V	0~400mA	-600~-3150V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-4KP300-HPDP	200~4000V	0~300mA	200~4200V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-4KN300-HPDP	-800~-4000V	0~300mA	-800~-4200V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-5KP240-HPDP	300~5000V	0~240mA	300~5250V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-5KN240-HPDP	-1000~-5000V	0~240mA	-1000~-5250V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-6KP200-HPDP	400~6000V	0~200mA	400~6120V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-6KN200-HPDP	-1200~-6000V	0~200mA	-1200~-6120V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-8KP150-HPDP	500~8000V	0~150mA	500~8400V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-8KN150-HPDP	-1600~-8000V	0~150mA	-1600~-8400V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-10KP120-HPDP	800~10000V	0~120mA	800~10500V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-10KN120-HPDP	-2000~-10000V	0~120mA	-2000~-10500V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-12KP100-HPDP	1000~12000V	0~100mA	1000~12600V	≤0.1% FS	1V	0.01mA	1V	1V	0.1mA
PIPL-12KN100-HPDP	-2400~-12000V	0~100mA	-2400~-12600V	≤0.1% FS	1V	0.01mA	1V	1V	0.1mA



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HPDP Series

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Model (2400W)	Rated Output			Voltage Ripple	Programming Resolution			Display Resolution	
	V	A	OVP		V	A	OVP	V	A
PIPL-1KP2400-HPDP	0~1000V	0~2400mA	0~1050V	≤0.1% FS	1V	1mA	1V	1V	1mA
PIPL-1KN2400-HPDP	-200~-1000V	0~2400mA	-200~-1050V	≤0.1% FS	1V	1mA	1V	1V	1mA
PIPL-1.2KP2000-HPDP	0~1200V	0~2000mA	0~1260V	≤0.1% FS	1V	1mA	1V	1V	1mA
PIPL-1.2KN2000-HPDP	-240~-1200V	0~200mA	-240~-1260V	≤0.1% FS	1V	1mA	1V	1V	1mA
PIPL-1.5KP1600-HPDP	0~1500V	0~1600mA	0~1575V	≤0.1% FS	1V	1mA	1V	1V	1mA
PIPL-1.5KN1600-HPDP	-300~-1500V	0~1600mA	-300~-1575V	≤0.1% FS	1V	1mA	1V	1V	1mA
PIPL-2KP1200-HPDP	0~2000V	0~1200mA	0~2100V	≤0.1% FS	1V	1mA	1V	1V	1mA
PIPL-2KN1200-HPDP	-400~-2000V	0~1200mA	-400~-2100V	≤0.1% FS	1V	1mA	1V	1V	1mA
PIPL-3KP800-HPDP	200~3000V	0~800mA	200~3150V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-3KN800-HPDP	-600~-3000V	0~800mA	-600~-3150V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-4KP600-HPDP	200~4000V	0~600mA	200~4200V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-4KN600-HPDP	-800~-4000V	0~600mA	-800~-4200V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-5KP480-HPDP	300~5000V	0~480mA	300~5250V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-5KN480-HPDP	-1000~-5000V	0~480mA	-1000~-5250V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-6KP400-HPDP	400~6000V	0~400mA	400~6120V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-6KN400-HPDP	-1200~-6000V	0~400mA	-1200~-6120V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-8KP300-HPDP	500~8000V	0~300mA	500~8400V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-8KN300-HPDP	-1600~-8000V	0~300mA	-1600~-8400V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-10KP240-HPDP	800~10000V	0~240mA	800~10500V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-10KN240-HPDP	-2000~-10000V	0~240mA	-2000~-10500V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA

Model (4000W)	Rated Output			Voltage Ripple	Programming Resolution			Display Resolution	
	V	A	OVP		V	A	OVP	V	A
PIPL-8005000-HPDP	0~800V	0~5000mA	0~840V	≤0.1% FS	0.1V	1mA	0.1V	0.1V	1mA
PIPL-1KP4000-HPDP	0~1000V	0~4000mA	0~1050V	≤0.1% FS	1V	1mA	1V	1V	1mA
PIPL-1KN4000-HPDP	-200~-1000V	0~4000mA	-200~-1050V	≤0.1% FS	1V	1mA	1V	1V	1mA
PIPL-1.2KP3300-HPDP	0~1200V	0~3300mA	0~1260V	≤0.1% FS	1V	1mA	1V	1V	1mA
PIPL-1.2KN3300-HPDP	-240~-1200V	0~3300mA	-240~-1260V	≤0.1% FS	1V	1mA	1V	1V	1mA
PIPL-1.5KP2600-HPDP	0~1500V	0~2600mA	0~1575V	≤0.1% FS	1V	1mA	1V	1V	1mA
PIPL-1.5KN2600-HPDP	-300~-1500V	0~2600mA	-300~-1575V	≤0.1% FS	1V	1mA	1V	1V	1mA
PIPL-2KP2000-HPDP	0~2000V	0~2000mA	0~2100V	≤0.1% FS	1V	1mA	1V	1V	1mA
PIPL-2KN2000-HPDP	-400~-2000V	0~2000mA	-400~-2100V	≤0.1% FS	1V	1mA	1V	1V	1mA
PIPL-3KP1300-HPDP	400~3000V	0~1300mA	400~3150V	≤0.1% FS	1V	1mA	1V	1V	1mA
PIPL-3KN1300-HPDP	-600~-3000V	0~1300mA	-600~-3150V	≤0.1% FS	1V	1mA	1V	1V	1mA
PIPL-4KP1000-HPDP	550~4000V	0~1000mA	550~4200V	≤0.1% FS	1V	1mA	1V	1V	1mA
PIPL-4KN1000-HPDP	-800~-4000V	0~1000mA	-800~-4200V	≤0.1% FS	1V	1mA	1V	1V	1mA
PIPL-5KP800-HPDP	700~5000V	0~800mA	700~5250V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-5KN800-HPDP	-1000~-5000V	0~800mA	-1000~-5250V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-6KP660-HPDP	800~6000V	0~660mA	800~6120V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-6KN660-HPDP	-1200~-6000V	0~660mA	-1200~-6120V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA

Model (5000W)	Rated Output			Voltage Ripple	Programming Resolution			Display Resolution	
	V	A	OVP		V	A	OVP	V	A
PIPL-1KP5000-HPDP	0~1000V	0~5000mA	0~1050V	≤0.1% FS	1V	1mA	1V	1V	1mA
PIPL-1KN5000-HPDP	-200~-1000V	0~5000mA	-200~-1050V	≤0.1% FS	1V	1mA	1V	1V	1mA
PIPL-1.2KP4160-HPDP	0~1200V	0~4160mA	0~1260V	≤0.1% FS	1V	1mA	1V	1V	1mA
PIPL-1.2KN4160-HPDP	-240~-1200V	0~4160mA	-240~-1260V	≤0.1% FS	1V	1mA	1V	1V	1mA
PIPL-1.5KP3300-HPDP	0~1500V	0~3300mA	0~1575V	≤0.1% FS	1V	1mA	1V	1V	1mA
PIPL-1.5KN3300-HPDP	-300~-1500V	0~3300mA	-300~-1575V	≤0.1% FS	1V	1mA	1V	1V	1mA
PIPL-2KP2500-HPDP	0~2000V	0~2500mA	0~2100V	≤0.1% FS	1V	1mA	1V	1V	1mA
PIPL-2KN2500-HPDP	-400~-2000V	0~2500mA	-400~-2100V	≤0.1% FS	1V	1mA	1V	1V	1mA
PIPL-3KP1600-HPDP	400~3000V	0~1600mA	400~3150V	≤0.1% FS	1V	1mA	1V	1V	1mA
PIPL-3KN1600-HPDP	-600~-3000V	0~1600mA	-600~-3150V	≤0.1% FS	1V	1mA	1V	1V	1mA
PIPL-4KP1250-HPDP	550~4000V	0~1250mA	550~4200V	≤0.1% FS	1V	1mA	1V	1V	1mA
PIPL-4KN1250-HPDP	-800~-4000V	0~1250mA	-800~-4200V	≤0.1% FS	1V	1mA	1V	1V	1mA
PIPL-5KP1000-HPDP	700~5000V	0~1000mA	700~5250V	≤0.1% FS	1V	1mA	1V	1V	1mA
PIPL-5KN1000-HPDP	-1000~-5000V	0~1000mA	-1000~-5250V	≤0.1% FS	1V	1mA	1V	1V	1mA
PIPL-6KP830-HPDP	800~6000V	0~830mA	800~6120V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-6KN830-HPDP	-1200~-6000V	0~830mA	-1200~-6120V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA

Model (3000W)	Rated Output			Voltage Ripple	Programming Resolution			Display Resolution	
	V	A	OVP		V	A	OVP	V	A
PIPL-1KP3000-HPDP	0~1000V	0~3000mA	0~1050V	≤0.1% FS	1V	1mA	1V	1V	1mA
PIPL-1KN3000-HPDP	-200~-1000V	0~3000mA	-200~-1050V	≤0.1% FS	1V	1mA	1V	1V	1mA
PIPL-1.2KP2500-HPDP	0~1200V	0~2500mA	0~1260V	≤0.1% FS	1V	1mA	1V	1V	1mA
PIPL-1.2KN2500-HPDP	-240~-1200V	0~2500mA	-240~-1260V	≤0.1% FS	1V	1mA	1V	1V	1mA
PIPL-1.5KP2000-HPDP	0~1500V	0~2000mA	0~1575V	≤0.1% FS	1V	1mA	1V	1V	1mA
PIPL-1.5KN2000-HPDP	-300~-1500V	0~2000mA	-300~-1575V	≤0.1% FS	1V	1mA	1V	1V	1mA
PIPL-2KP1500-HPDP	0~2000V	0~1500mA	0~2100V	≤0.1% FS	1V	1mA	1V	1V	1mA
PIPL-2KN1500-HPDP	-400~-2000V	0~1500mA	-400~-2100V	≤0.1% FS	1V	1mA	1V	1V	1mA
PIPL-3KP1000-HPDP	200~3000V	0~1000mA	200~3150V	≤0.1% FS	1V	1mA	1V	1V	1mA
PIPL-3KN1000-HPDP	-600~-3000V	0~1000mA	-600~-3150V	≤0.1% FS	1V	1mA	1V	1V	1mA
PIPL-4KP750-HPDP	200~4000V	0~750mA	200~4200V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-4KN750-HPDP	-800~-4000V	0~750mA	-800~-4200V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-5KP600-HPDP	300~5000V	0~600mA	300~5250V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-5KN600-HPDP	-1000~-5000V	0~600mA	-1000~-5250V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-6KP500-HPDP	400~6000V	0~500mA	400~6120V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-6KN500-HPDP	-1200~-6000V	0~500mA	-1200~-6120V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-8KP375-HPDP	500~8000V	0~375mA	500~8400V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-8KN375-HPDP	-1600~-8000V	0~375mA	-1600~-8400V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-10KP300-HPDP	800~10000V	0~300mA	800~10500V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA
PIPL-10KN300-HPDP	-2000~-10000V	0~300mA	-2000~-10500V	≤0.1% FS	1V	0.1mA	1V	1V	0.1mA



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