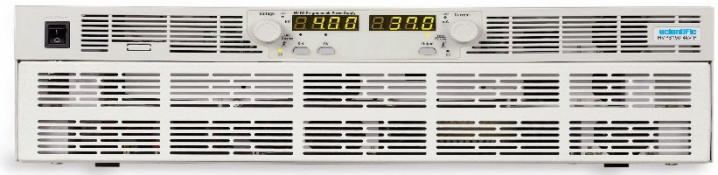
300W High Voltage DC Power Supply



MADE IN INDIA

Technical Specifications

Parameters*	HVPS300-5kV	HVPS300-10kV	HVPS300-15kV	HVPS300-20kV	HVPS300-30kV
Output Voltage*	Upto 5kV	Upto 10kV	Upto 15kV	Upto 20kV	Upto 30kV
Output Current	60mA	30mA	20mA	15mA	10mA
Rated Power	300W	300W	300W	300W	300W
Power Factor	≥ 0.99 at full load				
Polarity	Positive, Negative, Optional: Reversible				
*Voltage Adjustable range: 0% to Full Scale					
Constant Voltage Mode					
Load Regulation 0 ~ 100%	< 0.5% of FS				
Line Regulation	< 0.5% of FS				
Ripple	< 1% of FS				
Temperature Coefficients	CV: < 300 ppm/˚C				
Output Stability	CV: < 300 ppm/˚C (After 30 minutes of warm up)				
Constant Current Mode					
Load Regulation 0 ~ 100%	< 0.5% of FS				
Line Regulation	< 0.5% of FS				
Ripple	< 1% of FS				
Transient Response Time	< 10ms				
Indicators	Voltage, Current, Alarm, Output ON				
Analog Programming (Standard)					
Programming	Voltage: 0 ~ 5 V/ 0 ~ 10V (User selectable), Accuracy: ± 1 % of Vrated,				
	Current: 0 ~ 5 V/ 0 ~ 10V (User selectable), Accuracy: ± 1 % of Irated,				
Monitoring	Voltage: 0 ~ 5 V/ 0 ~ 10V (User selectable), Accuracy: ± 1 % of Vrated,				
	Current: 0 ~ 5 V/ 0 ~ 10V (User selectable), Accuracy: ± 1 % of Irated,				
Remote Programming					
Voltage Programming	Resolution : Better than 15 bit, Accuracy : 0.05% Vrated				

Current Programming	Resolution : Better than 15 bit, Accuracy : 0.1% Irated				
Monitor Voltage	Resolution : Better than 15 bit, Accuracy : 0.05% Vrated				
Monitor Current	Resolution : Better than 15 bit, Accuracy : 0.1% Irated				
Display					
Accuracy	Voltage: 0.5%, Current: 0.5%				
Display Scale					
Voltage	5.0 kV	10.0 kV	15.0kV	20.0 kV	30.0 kV
Current	60 mA	30 mA	20mA	15 mA	10 mA
Resolution	Voltage: 0.1kV				
	Current: 0.1mA				
Protections	Short Circuit, Over Current, Arc protection				
Parallel operation	9 units in parallel operation				
Programming Interface	Standard : Analog Programming, RS232/RS485, USB Optional : LAN				
Mains Input	230V ± 10%, 50 Hz 3 way terminal				
Environment Condition					
Operating Temperature	-10 ~ +55˚C, with 100% load : derated 70% at 65˚C				
Storage	-20 ~ + 85˚C				
Cooling	Forced, Variable fan speed				
Accessories	Power Cord, Manual, HV Output Cable of 1.5 meter length				

*Subject to change without notice

600W High Voltage DC Power Supply

Technical Specifications

Parameters	HVPS600-5kV	HVPS600-10kV	HVPS600-15kV	HVPS600-20kV	HVPS600-30kV
Output Voltage*	Upto 5kV	Upto 10kV	Upto 15kV	Upto 20kV	Upto 30kV
Output Current	120mA	60mA	40mA	30mA	20mA
Rated Power	600W	600W	600W	600W	600W
Power Factor	≥0.99 at full load				
Polarity	Positive, Negative, Optional: Reversible				
*Voltage Adjustable range : 0% to Full Scale					
Constant Voltage Mode					
Load Regulation 0 ~ 100%	< 0.5% of FS				
Line Regulation	< 0.5% of FS				
Ripple	< 1% of FS				
Temperature Coefficients	CV : < 300 ppm/˚C				
Output Stability	CV : < 300 ppm/˚C (After 30 minutes of warm up)				
Constant Current Mode					
Load Regulation 0 ~ 100%	< 0.5% of FS				
Line Regulation	< 0.5% of FS				
Ripple	< 1% of FS				
Transient Response Time	< 10ms				
Indicators	Voltage, Current, Alarm, Output ON				
Analog Programming (Standard)					
Programming	Voltage: 0 ~ 5 V/ 0 ~ 10V (User selectable), Accuracy: ± 1 % of Vrated,				
	Current: 0 ~ 5 V/ 0 ~ 10V (User selectable), Accuracy: ± 1 % of Irated,				
Monitoring	Voltage: 0 ~ 5 V/ 0 ~ 10V (User selectable), Accuracy: ± 1 % of Vrated,				
	Current: 0 ~ 5 V/ 0 ~ 10V (User selectable), Accuracy: ± 1 % of Irated,				
Remote Programming					
Voltage Programming	Resolution : Better than 15 bit, Accuracy : 0.05% Vrated				
Current Programming	Resolution : Better than 15 bit, Accuracy : 0.1% Irated				

Monitor	Resolution : Better than 15 bit, Accuracy : 0.05% Vrated				
Voltage					
Monitor Current	Resolution : Better than 15 bit, Accuracy : 0.1% Irated				
Display					
Accuracy	Voltage: 0.5%, Current: 0.5%				
Display Scale					
Voltage	5.0kV	10.0 kV	15.0kV	20.0 kV	30.0 kV
Current	120mA	60mA	40mA	30 mA	20mA
Resolution	Voltage: 0.1kV				
	Current: 0.1mA				
Protections	Short Circuit, Over Current, Arc protection				
Parallel operation	9 units in parallel operation				
Programming Interface	Standard: Analog Programming, RS232/RS485, USB Optional: LAN				
Mains Input	230V ± 10%, 50 Hz 3-way terminal				
Environment Condition					
Operating Temperature	-10 ~ +55˚C, with 100% load: derated 70% at 65˚C				
Storage	-20 ~ + 85˚C				
Cooling	Forced, Variable fan speed				
Accessories	Power Cord, Manual, HV Output Cable of 1.5 meter length				

*Subject to change without notice

1000W High Voltage DC Power Supply

Technical Specifications

Parameters	HVPS1000-5kV	HVPS1000-10kV	HVPS1000-15kV	HVPS1000-20kV	HVPS1000-30kV
Output Voltage*	Upto 5kV	Upto 10kV	Upto 15kV	Upto 20kV	Upto 30kV
Output Current	200mA	100mA	66mA	50mA	33mA
Rated Power	1000W	1000W	1000W	1000W	1000W
Power Factor	≥ 0.99 at full load				
Polarity	Positive, Negative, Optional: Reversible				
*Voltage Adjustable range : 0% to Full Scale					
Constant Voltage Mode					
Load Regulation 0 ~ 100%	< 0.5% of FS				
Line Regulation	< 0.5% of FS				
Ripple	< 1% of FS				
Temperature Coefficients	CV : < 300 ppm/˚C				
Output Stability	CV : < 300 ppm/˚C (After 30 minutes of warm up)				
Constant Current Mode					
Load Regulation 0 ~ 100%	< 0.5% of FS				
Line Regulation	< 0.5% of FS				
Ripple	< 1% of FS				
Transient Response Time	< 10ms				
Indicators	Voltage, Current, Alarm, Output ON				
Analog Programming (Standard)					
Programming	Voltage: 0 ~ 5 V/ 0 ~ 10V (User selectable), Accuracy: ± 1 % of Vrated,				
	Current: 0 ~ 5 V/ 0 ~ 10V (User selectable), Accuracy: ± 1 % of Irated,				
Monitoring	Voltage: 0 ~ 5 V/ 0 ~ 10V (User selectable), Accuracy: ± 1 % of Vrated,				
	Current: 0 ~ 5 V/ 0 ~ 10V (User selectable), Accuracy: ± 1 % of Irated,				
Remote Programming					
Voltage Programming	Resolution : Better than 15 bit, Accuracy : 0.05% Vrated				
Current Programming	Resolution : Better than 15 bit, Accuracy : 0.1% Irated				
Monitor Voltage	Resolution : Better than 15 bit, Accuracy : 0.05% Vrated				
Monitor Current	Resolution : Better than 15 bit, Accuracy : 0.1% Irated				
Display					

Accuracy	Voltage: 0.5%, Current: 0.5%				
Display Scale					
Voltage	5.0 kV	10.0 kV	15.0 kV	20.0 kV	30.0 kV
Current	200mA	100mA	66mA	50mA	33mA
Resolution	Voltage: 0.1kV				
	Current: 0.1mA				
Protections	Short Circuit, Over Current, Arc protection				
Parallel operation	9 units in parallel operation				
Programming Interface	Standard : Analog Programming, RS232/RS485, USB Optional : LAN				
Mains Input	230V ± 10%, 50 Hz 3 way terminal				
Environment Condition					
Operating Temperature	-10 ~ +55˚C, with 100% load : derated 70% at 65˚C				
Storage	-20 ~ + 85˚C				
Cooling	Forced, Variable fan speed				
Accessories	Power Cord, Manual, HV Output Cable of 1.5 meter length				

*Subject to change without notice

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