



### Features

- Analog Control Interface
- Frequency up to 50 kHz
- Highest plasma density and stability
- Independent free-adjustable time control factors
- Quick arc detection and suppression less than 2  $\mu$ s
- Modes DC+, DC-, UP+, UP-, BP
- Trigger Input

### Applications

- HiPIMS
- HiPIMS + MF
- Bias
- High Power Stack

Pulse modes	ON-times	OFF-times	Conditions
Unipolar + ( UP+ )	Ton+ >5 $\mu$ s	Toff+ >5 $\mu$ s	Ton+ and Toff+ >20 $\mu$ s
Unipolar - ( UP- )	Ton- >5 $\mu$ s	Toff- >5 $\mu$ s	Ton+ and Toff- >20 $\mu$ s
Bipolar ( BP )	Ton+ >5 $\mu$ s; Ton- >5 $\mu$ s	Toff+ >5 $\mu$ s; Toff- >5 $\mu$ s	Ton+/-and Toff+/- >20 $\mu$ s
AWFG	all ON- and OFF- times >5 $\mu$ s		min. period time 20 $\mu$ s

Model	SPIK1000A-03	SPIK1000A-06	SPIK1000A-10	SPIK1000A-20
Pulse Output Power ( max )	+/-30kW	+/-60kW	+/-100kW	+/-200kW
Pulse Output Voltage ( max )	+/-1000V	+/-1000V	+/-1000V	+/-1000V
*) Pulse Output Current ( max )	+/-30A	+/-60A	+/-100A	+/-200A
DC Output Power	3kW	6kW	10kW	20kW
DC Output Voltage ( max )	+/-1000V	+/-1000V	+/-1000V	+/-1000V
DC Output Current ( max )	+/-3A	+/-6A	+/-10A	+/-20A
Arc suppression	<2 $\mu$ s	<2 $\mu$ s	<2 $\mu$ s	<2 $\mu$ s
Arc Level	0 - ( +/-30A )	0 - ( +/-60A )	0 - ( +/-100A )	0 - ( +/-200A )
Arc delay time	adj. >30 $\mu$ s	adj. >30 $\mu$ s	adj. >30 $\mu$ s	adj. >30 $\mu$ s
Operation Frequency ( max )	50kHz	50kHz	50kHz	50kHz
Cooling Capacity	Air	Air	Air/Water	Air/Water
Rate	-	-	>3.5L/min	>3.5L/min
Pressure	-	-	1.5 - 5.0Kg/cm <sup>2</sup>	1.5 - 5.0Kg/cm <sup>2</sup>
Temperature	-	-	non condense	non condense
Dimension Height	356mm (14.0 in)	445mm (17.5 in)	534mm (21.0 in)	534mm (21.0 in)
Width	440mm (17.3 in)	440mm (17.3 in)	440mm (17.3 in)	440mm (17.3 in)
Depth	610mm (24.0 in)	610mm (24.0 in)	650mm (25.6 in)	650mm (25.6 in)
Weight	45Kg	63Kg	85Kg	85Kg
Interface	User	User	User	User
*)under conditions of save operating areas				

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