



## Features

- ARM Processor control
- FPPG (Free Pulse Pattern Controller)
- Symmetric voltage output
- Fast arc suppression less than 2  $\mu$ s
- Remote interface (Profibus / Rs485)
- 1 x Trigger input
- 2 x Trigger output
- Fast parallel interface (Stacking)

## Applications

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

SPIK3000A	20 kW
AC Input ; controller only	110V - 230V , 50/60 Hz, +/-10%, PE
DC Input Power	20kW ( max. )
DC Input Voltage	1000 V (max)
DC Input Current	50 A DC (max)
Pulse Output Power	+/- 1000 kW (peak)
Pulse Output Voltage	+/- 1000 V (max.)
Pulse Output Current	+/- 1000 A ( max. ) $\leq$ 2 kHz
	+/- 500 A ( max. ) $\leq$ 12,5 kHz
	+/- 150 A ( max. ) $\leq$ 25 kHz
	+/- 50 A ( max. ) $\leq$ 50 kHz
Arc suppression	$\leq$ 2 $\mu$ s
ARC Level Adjustment	+/- ( 0 - 1000 A )
ARC delay time	30 $\mu$ s - 32000 $\mu$ s
Operation Frequency	DC - 50 kHz
Cooling Capacity	Air & Water
Water Rate	$\geq$ 8 L / min.
Water Pressure	$\geq$ 6bar
Temperature	$\leq$ 25 °c
19" Dimensions: H / W / D	7 HE / 440 mm / 650 mm
Net Weight	65 kg
Interface	RS485 ( others optional)
Dc Power supply Interface	Optional
User Interface (24V)	Interlock, On/Off, Run, Error
Trigger Output	1 x BNC +/- 5V (+/- 10mA) max.
Trigger Input	2x BNC +/- 5V max. (+/- 5mA)
Certification	CE

MELEC GmbH  
Dr.-Rudolf-Eberle-Str. 15  
76534 Baden-Baden  
Germany

Tel.: +49(0)7223 2814 5 01  
Fax.: +49(0)7223 28145 09  
E-mail: info@melec.de

