

Laser power supply for lamp-pumped laser

Information



Laser power supply is designed for lamp-pumped lasers. Its used for operation in the industrial laser applications (welding, heat treatment, cutting, scribing and firmware holes), laboratory, educational, medical and experimental machines.

Specifications

	SF134-1	SF134-2	SF138
Maximum gas discharge length	100 mm	100 mm	
Number of lamps	one	one	one or two
Pulse rate	0.1 - 30 Hz, single pulse	0.1 - 30 Hz, single pulse	0.1 - 20 Hz, single pulse
Output voltage	1000 V	1600 V	750 V
Voltage accuracy	± 0.3 %	± 0.3 %	± 0.3 %
Battery capacitance	according technical task	according technical task	
Pulse duration	determined by storage capacitor	determined by storage capacitor	0.1-6 ms
Duration changing step	-	-	0.1 ms
Discharging type	full discharge	full discharge	partial discharge
Average charger power	1.6 kW	1.6 kW	5 kW
Simmer mode current	0.6 A	0.6 A	0.6 A
Communication interface	RS232	RS232	RS232*
Data display	LCD	LCD	LCD
Trigger in	5 V, 10 µs	5 V, 10 µs	5 V, 10 µs*
Trigger out	5 V, 10 µs	5 V, 10 µs	5 V, 10 µs*
Attenuator control	-	-	2*27 V
Trigger delay	up 0 to + 250 µs	up 0 to + 250 µs	0-6 ms*
Interlock	switch contact closure	switch contact closure	switch contact closure
Accessories connection	220 VAC, 5 A	220 VAC, 5 A	three phase 220 / 380V, 50Hz
Power Input	single phase 220 VAC, 50Hz	single phase 220 VAC, 50Hz	three phase 220/380 VAC, 50Hz
Dimensions	440*179*440 mm; 4U	440*179*480 mm; 4U	440*356*440 mm (2 modules); 2x4U
Weight	25 kg	27 kg	40 kg

*Optionally

Dimensions

