



The devices of the PHASER EVO series are very compact and efficient electronic power supplies for the operation of UV-Lamps (mercury vapor arc discharge lamps).

They have been developed with special attention to cost effectiveness and economical operation and are perfectly adapted for all applications of UV-Curing, UV-Disinfection, UV-Oxidation and other special tasks.

The well-arranged connection layout makes it very easy to control the lamp power with conventional analog signals (current or voltage) or potentiometer.

As an option, the PHASER EVO can be equipped with a free configurable field-bus interface, thus allowing for modern digitally-linked operation concepts with all common bus protocols.

Technical Specifications

PHASER EVO Typ	2.5/450 - 12/450	Book 10 - 12 kW	Book 18 - 21 kW	24/xxxx	32/xxxx	36/xxxx	40/xxxx
Lamp power (max.) [kW]	2.5 - 5 - 6 - 7.5 - 9 - 10 - 11 - 12	12	21				
Lamp voltage [V]	100 - 450	up to 1100	up to 2100	up to 3100			
Lamp current (max.) [A]	22	tailored					
Efficiency approx. [%]	97	95					
Output frequency [Hz]	50	350					
Ignition voltage [Vpk]	5000	5000					
Pulse switching time [ms]	< 3						
Size LxWxH [mm]	480 x 180 x 80	480 x 325 x 85	460 x 305 x 165	590 x 270 x 350			
Weight [kg]	4	12	23	45	50	55	55
Mains voltage [V]	3 x 400 - 480, +6/-10%						
Mains frequency [Hz]	48 - 62						
cos(Phi)	> 95						
Power line loading	symmetrically on 3 phases						
Mains connection	L1, L2, L3, PE						
Ambient temperature [°C]	0 - 40						
Other configurations and power ranges on request							

Standards/EMC:	Standards/Safety:
EN 55011: 2009, Group 1, Class A	EN 50178:1998
EN 61000-6-4: 2007	
EN 61000-6-2: 2005	

Control Signals

Terminal	In/Out	Description	Voltage against GND, max. Load
GND		Signal ground	0 V, max. +/- 50 V against PE
ENABLE	Input	Lamp ON/OFF	+5 ... +24 V, R _i = 1 kΩ
U _{Pcom}	Input	Lamp power command	Voltage mode: 0 - 10 V, R _i = 20 kΩ Current mode: 0 - 20 mA, R _i = 500 Ω
OPERATION/FAULT	Contact	„Operation“ = closed „Fault“ = open	max. 0.3 A / 24 V
PE		Protection earth, shield	max. 50 V