

Capacitor Charging Power Supplies



OEM Tech
LASER ELECTRONICS



	medical grade				PCP-07	PCP-17	PCP-35	PBZ-300	PBZ-500
	PCA-10	PCA-20	PCA-25	PCA-40					
Input									
Voltage	110 - 240 V AC, 50/60 Hz		200 - 240 V AC, 50/60 Hz		300 V DC or 230 V AC rectified		230 V AC	24 V DC	48 V DC
Current, A	<11	< 21	< 15	< 24					
Output									
Max. output power, W	1000	2000	2500	4000	700	1750	3500	400 by PD 300J/s by CD	700 by PD 500J/s by CD
Max. output voltage, V standard modifications	300 / 500 / 700 / 800 / 1000 / 1500 / 2000				300 / 500 / 700 / 1000 / 1500			300 / 500 / 700 / 1000 / 2000 / 4000	
HV modification	—				up to 2000	up to 4000		—	
Modifications	partial discharge modification, complete discharge modification								
Voltage stability	< 0.5%								
Pulse to pulse stability	< 0.5%								
Efficiency	more than 85%								
Safety									
PFC coefficient	> 0.98 (active)				0.90 (partial)			—	
Leakage current	< 200µA		< 300µA		—			—	
Main safety standard	IEC 60601-1				—			—	
EMC	IEC 60601-1-2				—			—	
Protections	From open-circuit From short-circuit From overheating From overvoltage							Shut down on over-temperature and over-voltage	
Environment									
Cooling	forced air (with built-in fan)				fan is required			forced air (with built-in fan)	
Operation temperature	+10°C to 40°C								
Storage temperature	-20°C to +60°C								
Humidity	90%, non-condensing								
Other									
Size, mm (L x W x H)	180x121x124	216x153x132		296x153x132	145x123x72	155x142x75	260x153x136	198x107x62	
Weight, kg	1.9	2.9		4.0	1.0	1.3	2.8	<1.0	