

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 | | | | | HV arc ground during operation Turn on with open or short circuit Shut down on over-temperature over-voltage and open interlock | | | 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 | |