

WHO WE ARE...

Astrodyne TDI manufactures dependable Power and EMI Filter solutions that enhance, protect, and save lives. As a global leader in demanding power conversion applications, where reliability is critical, we are known for delivering high performance technology to our partners.

With over 55 years in the power industry and 600 employees worldwide, we guarantee unmatched **U.S. ENGINEERING SUPPORT** to the medical market.

EXPERTS IN IEC60601 SAFETY & EMC DESIGNS

ADAPTERS + EMBEDDED

5W to 1kW Standard Models & Custom Solutions

- ▶ AC/DC Power Supplies
- ▶ DC/DC Power Supplies
- ▶ Battery Chargers
- ▶ BF & CF Patient Isolation Models
- ▶ 2MOOP & 2MOPP Models
- ▶ 60601-1 3.1 Edition
- ▶ 60601-1-2 4th Edition EMC
- ▶ ISO13485 Factory
- ▶ **175VA Online UPS, for Cart Applications**
- ▶ 60601-1 3rd Edition

UPS + BULK POWER

2kVA Online UPS

- ▶ Type BF Patient Current
- ▶ 60601-1 3.1 Edition
- ▶ 60601-1-2 4th Edition EMC
- ▶ ISO13485 Factory
- ▶ 2 MOPP/Type B Isolation

1kW to 16kW Standard AC/DC Rectifier Modules & Custom Solutions

- ▶ Parallel/Serial Module Configuration in Systems
- ▶ **>500kW** and up to **1200V**
- ▶ Programmable DC Sources
- ▶ Current or Voltage Sources
- ▶ Pulsed High Current Capabilities

EMI FILTERS

Low to medium currents and voltages

- ▶ Single-Phase
- ▶ Three- Phase
- ▶ IEC Intets & Outlets
- ▶ DC

Low Leakage

- ▶ Selectable Y-Capacitance

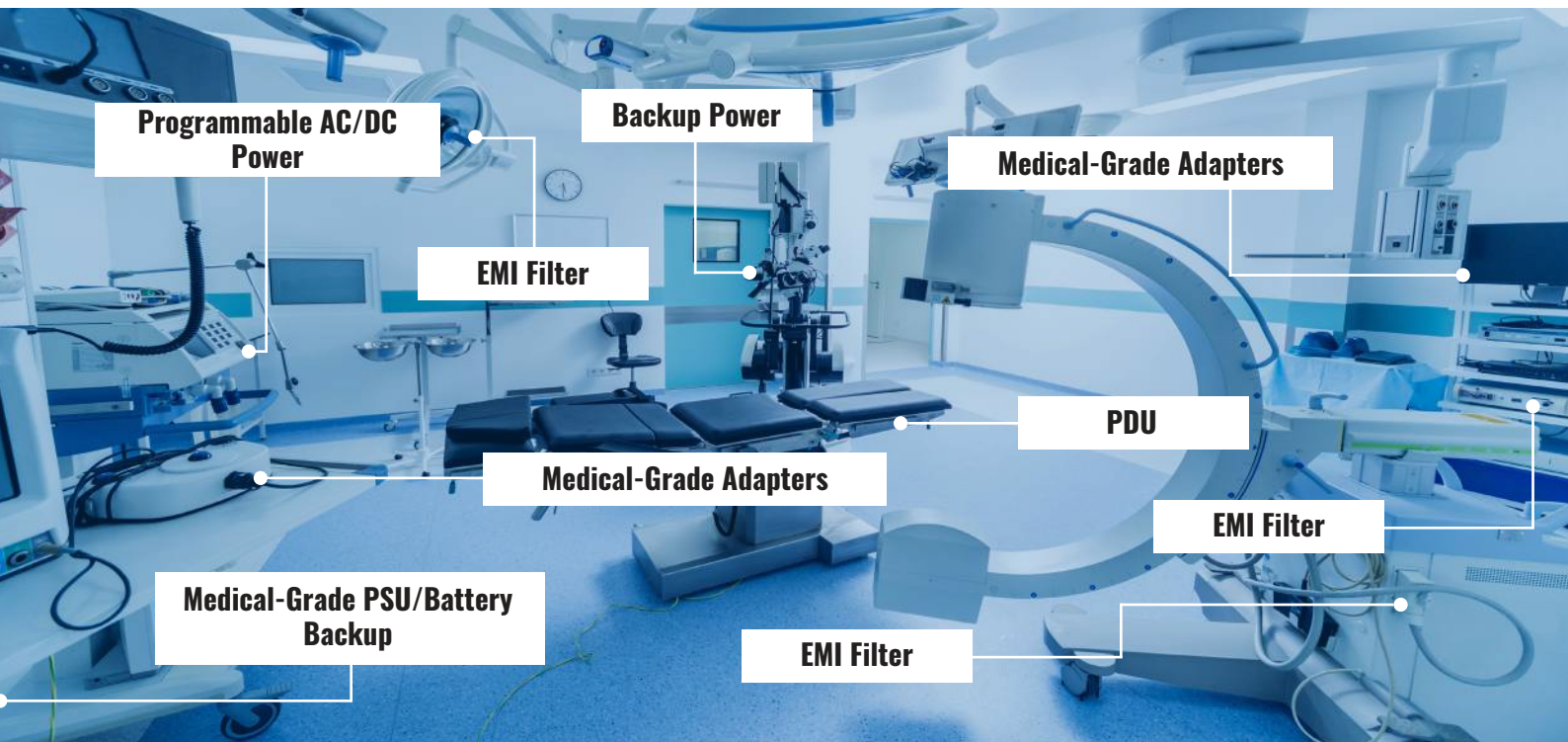
Broad list of standard products

- ▶ Mod Standard
- ▶ Fully Custom Solutions



MEDICAL APPLICATIONS

Medical Robotics | Implantable | Diagnostic Imaging | Backup Power | Circulatory Pumps | Ventilators | Dialysis Equipment | Hospital Beds | Medicine Dispensers | Computer Carts | Medical Lighting | Proton Therapy | Radiation | Medical Lasers | MRI Rooms | And More!



MEDICAL-GRADE SOLUTIONS

POWER BRIDGE UPS



- Low Leakage Current + Isolation + 60601 Medical Cert + 4th Edition EMC
- ▶ 19", 2U Rack Mountable
- ▶ 2kW of Output Power
- ▶ 2 minutes at 2kVA, 5 minutes at 1kVA
- ▶ Our Solution Eliminates External Isolation Transformers
- ▶ 2MOPP (Means of Patient Protection)
- ▶ Light weight (25 lbs)
- ▶ Online UPS
- ▶ More Economical
- ▶ Easy implementation

ADAPTERS & EMBEDDED



- AC/DC PSU 5W-30W Wall Mount
- 60W-300W Desktop
- ▶ BF Leakage, 2 MOPP
- ▶ Efficiency Level VI
- ▶ Medical 60601 3rd Edition BF & CF Leakage Options
- ▶ 2MOPP Options
- ▶ Class III Medical Device Support
- ▶ Various Case Sizes & DC Connections
- ▶ Low EMC Footprint

EMI FILTERS



- 1A to 100A and higher
- ▶ Agency approved for 277/300VAC
- ▶ Low or no line ground to capacitor to meet patient/operator protection requirements
- ▶ Interconnection options; quick disconnects, wires, threaded studs, connector (where applicable) and more
- ▶ More standard models to meet unique application requirements
- ▶ Full line of 5A - 600A 3-phase and DC filters

POWER DISTRIBUTION SOLUTIONS

Fully integrated, application specific, assembly of standard components, such as

1. Filters
2. Surge Protection
3. Transformers
4. Circuit Breakers
5. Power Connectors
6. Fuses
7. Indicators
8. EMO
9. Standard Power Supplies

AC/DC, AC-AC, DC-AC Power Conversion & Battery



IN PRODUCTION WITH

IEC60601-1 3.1 Edition | BF & CF Leakage Requirements | 2 MOOP & 2 MOPP | EMC 4th Edition | Efficiency Level VI | Standard Power Supplies

