

Medical Grade Power Supplies

2x MOPP

IEC 60601-1, 3rd Edition

EN 60601-1:2006

ANSI/AAMI ES 60601-1: 2005

CAN/CSA-C22.2 No. 60601-1:08

Standard Products

Custom Modifications



35 Years of Creative Products and Solutions Serving Our Clients



External Switchmode Power

2x MOPP on All Products
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Medical Wall Plug-In



SM12P Series

- Plug Style for North America (US), Europe (EU), and Britain (UK)
- 5 VDC to 27 VDC output
- 12 Watts output from 6V and up; 10 Watts for 5 VDC
- Energy Efficiency Level: V
- Input to Output: 2 MOPP
- FCC Part-18, CISPR-11, EN55011, Class B
- UL/C-UL (UR Listed), FCC, TUV/T-Mark, CB, CE, PSE

SM15DU - SM36DU Series

- US 2-prong plug style
- 15 Watts up through to 36 Watts
- 9 VDC to 15 VDC Output
- Energy Efficiency Level: V
- Input to Output: 2 MOPP
- FCC Part-18, CISPR-11, EN55011, Class B
- UL/C-UL (UR Listed)

Medical Wall Plug-In with Field Changeable Plug

IM15 - IM36 Series

- User-changeable plug styles for North America (US), Europe (EU), Australia (AU), and Britain (UK)
- User-changeable plugs offered either as needed or a complete kit
- High Efficiency, Low Cost Design
- 9 VDC through 15 VDC output available
- 15 Watts up through to 36 Watts
- Energy Efficiency Level: V
- Input to Output: 2 MOPP
- FCC Part-18, CISPR-11, EN55011, Class B
- UL/C-UL (UR Listed), CE

IM15H, IM24H Series

- User-changeable plug styles for North America (US), Europe (EU), Australia (AU), and Britain (UK)
- User-changeable plugs offered either as needed or a complete kit
- 3 VDC through 24 VDC output available
- 6 Watts up through to 24 Watts
- Energy Efficiency Level: V
- Input to Output: 2 MOPP
- FCC Part-18, CISPR-11, EN55011, Class B
- UL/C-UL (UR Listed), TUV/GS, DoIR+C-Tick, PSE-Jet, CCC, KC, PSB



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Medical Desktop, 15 Watts to 50 Watts

SM16P Series

- 13 to 15 Watts
- Single outputs, 5 through 36 VDC
- Choice of C6, C8, C14 input socket
- Energy Efficiency Level: V
- Input to Output: 2 MOPP
- FCC Part-18, CISPR-11, EN55011 Class B
- UL/C-UL (UR Listed), TUV/T-Mark, CB, CE, FCC, PSE



SM15D - SM36D Series

- 15 Watts up through to 36 Watts
- 9 VDC to 15 VDC Output
- C8 input socket
- Energy Efficiency Level: V
- Input to Output: 2 MOPP
- FCC Part-18, CISPR-11, EN55011 Class B
- UL/C-UL (UR Listed)



SM30P, SM30Q, SM32P1R Series

- 20 Watts through 30 Watts
- Single output 3 VDC up through 48 VDC
- Your choice of input socket styles
- Energy Efficiency Level: V
- Input to Output: 2 MOPP
- FCC Part-18, CISPR-11, EN55011, Class B
- UL/C-UL (UR Listed), TUV/T-Mark, CE, CB, PSE

Also available in dual output and triple output combinations

SM42D - SM55D Series

- Economy Type
- 42 Watts through 55 Watts
- 12 to 24 VDC in any increment
- C8 or C14 IEC input choice
- Energy Efficiency Level: IV
- Input to Output: 2 MOPP
- FCC Part-18, CISPR-11, EN55011, Class B
- UL/C-UL (UR Listed), TUV/T-Mark, CE, CB, FCC

SM51P Series

- 40 Watts through 50 Watts
- Single Outputs, 2 through 50 VDC in any increments
- IEC320-C14 input
- Energy Efficiency Level: V
- Input to Output: 2 MOPP
- FCC Part-18, CISPR-11, EN55011, Class B
- UL/C-UL (UR Listed), TUV/T-Mark, CE, CB, FCC, PSE



Also available in dual output and triple output combinations

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Medical Desktop - 60 Watts to 100 Watts



SM65D, SM61P, SM65Q Series

- Single outputs, 12 through 48 VDC
- Choice of C6, C8, and C14 input socket
- Regulated output with low ripple design
- Energy Efficiency Level: V
- Input to Output: 2 MOPP
- FCC Part-18, CISPR-11, EN55011, Class B
- UL/C-UL (UR Listed), TUV/T-Mark, CE, CB, FCC, PSE

SM70D - SM90D, SM90Q Series

- 70 Watts to 90 Watts Power
- 12 to 48 VDC single output
- Choice of C6, C8, and C14 IEC input styles
- Energy Efficiency Level: V
- Input to Output: 2 MOPP
- FCC Part-18, CISPR-11, EN55011, Class B
- UL/C-UL (UR Listed), TUV/T-Mark, FCC, CE, CB



SM101P Series

- 100 Watts output power, universal input
- Single output 5 through 48 VDC in any increment
- IEC320-C14 socket with *optional On/Off switch*
- Active Power Factor Correction
- Ultra-low leakage current (under 0.1 mA)
- Energy Efficiency Level: V (available)
- Input to Output: 2 MOPP
- FCC Part-18, CISPR-11, EN55011, Class B
- UL/C-UL (UR Listed), TUV/T-Mark, FCC, CB, CE, PSE (RCM and CCC available)

Also available in dual output and triple output combinations

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Medical Desktop - 100 Watts to 160 Watts



SM100D - SM130D, SM120Q Series

- 100 Watts up through to 130 Watts
- Single outputs, 12 through 48 VDC
- Choice of C6 and C14 input socket
- Energy Efficiency Level: V
- Input to Output: 2 MOPP
- FCC Part-18, CISPR-11, EN55011, Class B
- UL/C-UL (UR Listed), TUV/T-Mark, CE, CB, FCC

SM160Q Series

- 150 Watts, 160 Watts total power
- Single outputs, 12, 19, 24, and 48 VDC
- Choice of C6 and C14 input socket
- Energy Efficiency Level: V
- Input to Output: 2 MOPP
- FCC Part-18, CISPR-11, EN55011, Class B
- UL/C-UL (UR Listed), TUV/T-Mark, CE, CB, FCC



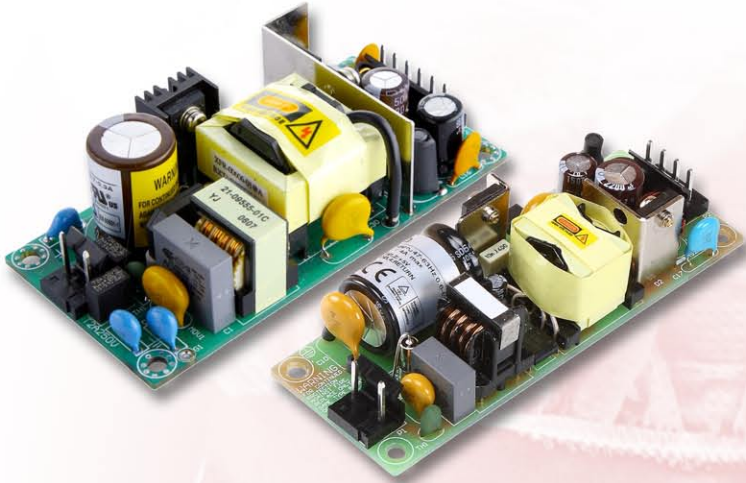
Additional New Product Ratings Will Be Coming Regularly

Open Frame Power Supplies

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Medical Open Frame - 2" x 4", 30 Watts and 60 Watts



SMF31P, SMF31P1R Series

- 5 through 36 VDC single outputs, 30 Watts power,
- 1.5" x 4" or 2" x 4" footprint
- Convection cooled
- Internal EMI Filter
- Input to Output: 2 MOPP
- FCC Part-18, CISPR-11, EN55011, Class B
- UL/C-UL (UR Listed), TUV/T-Mark, CB, CE, FCC



SMF61P1R Series

- 60 Watts, high power density
- Convection cooled rated
- Single outputs, 12 VDC to 40 VDC
- Input to Output: 2 MOPP
- FCC Part-18, CISPR-11, EN55011, Class B
- UL/C-UL (UR Listed), TUV/T-Mark, CB, CE, FCC

Medical Open Frame - 3" x 5", 80 Watts



SMF81P Series

- 80 Watts, convection cooling rated
- Outputs ranging from 5 to 36 VDC
- Active power factor correction
- Input to Output: 2 MOPP
- FCC Part-18, CISPR-11, EN55011, Class B
- UL/C-UL (UR Listed), TUV/T-Mark, CB, CE, FCC

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Medical Open Frame - 3" x 5", 150 Watts

SMY150/151P Series

- Convection cooling rated at 150 Watts
- Single output, 12 or 24 VDC
- 2 Mechanical options:
Open Frame (3" x 5"), U-chassis (3.2" x 5")
- Multiple input and output options:
Input: 2-pin or 3-pin PCB header
Output: PCB header, European PCB terminal block, or barrier strip (screw terminals)
- Input to Output: 2 MOPP
- FCC Part-18, CISPR-11, EN55011, Class B
- UL/C-UL (UR Listed), TUV/T-Mark, CE, CB



Medical Open Frame - 4" x 6", 250 Watts

SMU250P Series

- 220 Watts to 250 Watts convection cooled
- Single outputs 12 VDC, 24 VDC or 48 VDC
- Active Power Factor Correction
- Internal EMI Filter
- Input options:
2 position barrier strip (screw terminals) or European PCB terminal block
- Output options:
Choice of 4 or 6 position barrier strip (screw terminals), or
4 or 6 position European PCB terminal block
- Input to Output: 2 MOPP
- FCC Part-18, CISPR-11, EN55011, Class B
- UL/C-UL (UR Listed), TUV/T-Mark, CE, CB, FCC



Open Frame Power Supplies

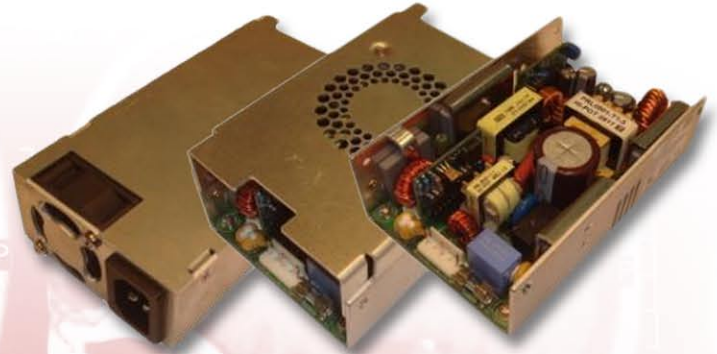
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Medical Open Frame - 3.2" x 5", 150 Watts - 300 Watts

SMY300T1, SMY240T2 Series

- Single outputs from 12 to 58 VDC
150 Watts convection cooled, 300 Watts with forced air
- 4 Dual output combinations
120 Watts convection cooled, 240 Watts with forced air
- 3 Mechanical options:
U-chassis, Enclosure w/ side fan, Enclosure w/ top fan
- Multiple input and output options:
Input: IEC-C14 socket, PCB header, screw terminal block
Output: PCB header, screw terminal block
- Power Density: 12.5 watts/cu in.
- Compact Size: 1U height
- Input to Output: 2 MOPP
- FCC Part-18, CISPR-11, EN55011, Class B
- UL/C-UL (UR Listed), TUV/T-Mark, CE, CB



Medical Open Frame - 5" x 8", 200 Watts - 400 Watts

SMY400T1, SMY400T2 Series

- Single outputs from 2 VDC to 58 VDC
250 Watts convection cooled, 400 Watts with forced air
- 5 Dual output combinations
200 Watts - 250 Watts convection cooled
300 Watts - 400 Watts with forced air
- 3 Mechanical options:
U-chassis, U-chassis w/ cover, Enclosure w/ side fan
- Multiple input and output options:
Input: IEC-C14 socket, PCB header, screw terminal block
Output: PCB header, screw terminal block
- 1U height
- Power density: 6.25 watts/cu in.
- Optional N+1 forced active current sharing
- Input to Output: 2 MOPP
- FCC Part-18, CISPR-11, EN55011, Class B
- UL/C-UL (UR Listed), TUV/T-Mark, CE, CB



Business partnerships are built on shared goals and consistent performance.



We prize the quality of our products, performance and partnerships.

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