

# Power Sources and Solutions

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- **International Safety Approvals**



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## Wall Plug-in Switching Power Supplies



### MANY NEW ENERGY STAR MODELS      RoHS COMPLIANT

- Plug styles for North America, Europe, Australia, UK, Japan and others
- Conventional and power-strip styles
- Up to 36 Watts output power
- Outputs from 3.3 up to 50VDC
- All appropriate safety and FCC approvals
- Custom outputs, output cabling and connectors
- **Ask for SP10, 15, 20, or 30x1yy** (where 10, 15 etc. is wattage, 1= 90 degree wall plug-in or 2 for power strip type, yy= output voltage from 3.3 to 50Vdc. Suffixes used for non-US plug styles)

## Changeable Base Wall Plug-in Switching Power



### RoHS COMPLIANT

- Field-interchangeable AC plugs for country of application, for North America, Europe, Australia, UK
- Select with complete plug kit or only needed styles
- Up to 36 Watts power outputs from 5 up to 54VDC, all safety approved, in any increment pick of output cables and connectors
- **Ask for IB05, 10, 15, 20, 30 or 36Uyy** where 5, 10, 15 etc. is watts of output power, U=US plug for North America, Substitute E for Euro plug, A for Australia, B for UK, or plugs available as complete separate kit. Change yy to output voltage. ie: 12=12VDC

## Desk-top External Power SMP



### NEW CEC (ENERGY STAR) APPROVED MODELS AVAILABLE

- All RoHS compliant
- **Ask for SP20, SP30, SP40, SP50, SP60, SP75, SP80, SP90** (SPxx: xx= Watts power)
- Choice of IEC320-input sockets (C-6, C-8, C-14) on most
- Multiple outputs on SP40, SP80 series
- Single output voltages in any increment with safety approval
- Unlimited choice of output cable/connectors
- All safety approvals

## High Output Desk-tops with PFC, 90 Watts and Up



### SP90, SP100, SP120, SP130, SP150 SERIES

- Single and multiple outputs
- IEC320 input sockets, virtually any type of output connector
- High power density
- All safety approvals, RoHS compliant

## 3 x 5 Open Frame Switchmode Power Supplies



### SF60, SF 80, SF100, SF120, SF150, SF250 SERIES RoHS COMPLIANT

- High power density- 3 x 5 up to 150 Watts /50 degrees C, convection cooled
- 3.2 x 5 U-channel up to 250 Watts forced air, 1U height
- Single outputs from 3.3 up to 56VDC with anything in-between; dual, triple, quad outputs
- All safety approvals
- Special modifications for special applications
- SF series families; specify power (watts), output(s) voltages needed

## U-Channel and Enclosed Power Supplies



### SF\*200, SF\*300, SF\*320, SF\*400, SF\*500, TO 1000 WATTS OUTPUT U-CHANNEL, ENCLOSED, BUILT IN FAN OPTIONS N+1 CURRENT SHARING OPTIONAL

- Many 1U heights, up to 320 Watts
- Single, multiple outputs
- Interface style options
- Custom housings
- \*SFC (with cover), \*SFE (enclosure with fan),  
\*SFU (U-channel) series: tell us your application



### POWER SUPPLY ASSEMBLIES, SHEET METAL, HARNESES

- Custom design and fabrication of power module assemblies
- Custom plastics molding of cases, housings, connectors
- Sheet metal or extruded custom housings

## DC to DC



### DC SERIES, ENCLOSED, OPEN FRAME, OR CUSTOM

- Automotive application, dash plug-in or desk-top cases up to 100 watts output
- Open frame U-channel, enclosed with fan option, or custom cased for up to 500 Watts
- Mobile power integration with your product

## AC or DC Output Unregulated Adapters



- Wall plug-in styles
- Desk-top configurations
- US or international input voltage; all plug styles
- All safety approvals
- Huge range of standard outputs
- Pick your output connectors
- Custom output voltages, output cabling, cases
- **AP adapter series PN'S: Apxxxx** see web site for standard product listing or call



**SM15 WALL PLUG-IN  
SM30, SM50, SM100 DESK TOP SERIES**

- External power supplies
- 15 Watts output wall plug-in style
- Desk-top designs up to 100 Watts output power
- All North American and international approvals
- 3.3 to 50 VDC with all in-between voltages approved, dual, triple outputs

**Medical, Open Frame 3 x 5 Switching Power**



**SM60, 61 SERIES**

- Universal input
- U-channel option, 3.2 x 5
- 60 Watts convection cooled
- All safety approvals
- Outputs to 56 VDC and any in-between voltage

**Medical, Open Frame 250 to 400 Watts**



**SM250 - 400 SERIES, 1U HEIGHT**

- All safety approvals, North America and international
- Single output: 250 Watts convection cooled, 400 Watts with fan
- Multiple outputs: 200 Watts
- U-channel or enclosure and fan options
- Interface options available

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