



# Medical Adaptor

6W~220W Single Output



## Power Supply Features

- Universal AC input / Full range
- **Medical safety approved (2xMOPP)**
- **No load power consumption <0.1W (<0.3W for GSM06)**
- **Energy Efficiency Level VI (GSM06 & 18-36W 5~9V level V)**
- Meets EISA 2007 (Energy Independence and Security Act)
- 2 pole USA / EURO plug or IEC320-C8
- Class II power (without earth pin) – suitable for BF applications with appropriate system consideration

- **Optional locking DC plug also available**
- Protection: Short circuit / Overload / Over voltage
- Low leakage current <50µA
- LED indicator for power on (except for GSM06)
- Certificates: B-Type: UL / CUL / TUV / CB / FCC / CE  
U-Type: UL / CUL / CB / FCC  
E-Type: TUV / CB / CE
- **3 year warranty**



18~36W 12~48V

## General Specifications (Please refer to [www.procontechology.com.au](http://www.procontechology.com.au) for detailed specs)



| Order No.                 | GSM06  | GSM18  | GSM25  | GSM36 |
|---------------------------|--|--|--|-------|
| AC input voltage range    | 85~264VAC; 113~370VDC  |  |  |       |
| AC inrush current (max.)  | Cold start, 30A at 230VAC  |  | Cold start, 55A at 230VAC  |       |
| Overload protection       | Range  | >105% rated output power   |  |       |
|                           | Type   | Hiccup mode, auto-recovery   |  |       |
| Over voltage protection   | 110~140%   | 105~135% rated output voltage, shut down o/p voltage, re-power on to recover |  |       |
| Setup, rise, hold-up time | 1000ms, 50ms, 12ms   |  | 500ms, 30ms, 16ms at 230VAC input  |       |
| Withstand voltage         | I/P-O/P: 5656VDC   |  | I/P-O/P: 4kVAC   |       |
| Working temperature       | 0°C ~ +50°C  |  | -25°C ~ +60°C (refer to output derating curve)   |       |
| Safety standards          | B-Type (except for GSM06): ANSI/AAMI ES60601-1 / <b>ES60601-1-11</b> , TUV EN60601-1 / <b>EN60601-1-11</b> approved<br>U-Type: ANSI/AAMI ES60601-1, <b>ES60601-1-11</b> approved<br>E-Type: TUV EN60601-1 / <b>EN60601-1-11</b> approved   |  |  |       |
| EMC standards             | B-Type(except for GSM06): EN55011 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11, EN61204-3, EN60601-1-2 medical level, FCC Part 15 class B<br>U-Type: FCC Part 15 class B<br>E-Type: EN55011 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11, EN61204-3, EN60601-1-2 medical level |  |  |       |
| Length of output cable    | 120cm of UL2468, 22AWG for 5~12V;<br>180cm of UL2468, 24AWG for 15~24V   |  | 120cm of UL1185, 16AWG for GSM18/25/36 5~9V;<br>180cm of UL1185, 16AWG for GSM25 12V and GSM36 12~48V;<br>180cm of UL1185, 18AWG for GSM18 12~48V and GSM25 15~48V |       |
| Standard DC plug          | P1J: 2.1x5.5x11mm/C+, tuning fork type (other plugs available to special order)  |  |  |       |
| Dimension (LxWxH)         | 32x66x42.5mm   |  | 79x54x33mm   |       |

## Wall-mounted — 6W

| Order No.    | Output        | Tol. | R & N | Eff. | Order No.                                 | Output       | Tol. | R & N | Eff. |
|--------------|---------------|------|-------|------|---|--------------|------|-------|------|
| GSM06□05-P1J | 5V, 0~1.20A   | ±5%  | 50mV  | 68%  | GSM06□15-P1J                              | 15V, 0~0.40A | ±5%  | 120mV | 79%  |
| GSM06□06-P1J | 6V, 0~1.00A   | ±5%  | 50mV  | 74%  | GSM06□18-P1J                              | 18V, 0~0.33A | ±5%  | 150mV | 80%  |
| GSM06□07-P1J | 7.5V, 0~0.80A | ±5%  | 80mV  | 74%  | GSM06□24-P1J                              | 24V, 0~0.25A | ±4%  | 180mV | 82%  |
| GSM06□09-P1J | 9V, 0~0.66A   | ±5%  | 80mV  | 76%  | □ = U / E; U: American 2P, E: European 2P |              |      |       |      |
| GSM06□12-P1J | 12V, 0~0.50A  | ±5%  | 100mV | 77%  |   |              |      |       |      |

## Desktop / Wall-mounted — 18W

| Order No.    | Output        | Tol. | R & N | Eff.  | Order No.   | Output        | Tol. | R & N | Eff. |
|--------------|---------------|------|-------|-------|---|---------------|------|-------|------|
| GSM18□05-P1J | 5V, 0~3.00A   | ±5%  | 60mV  | 80%   | GSM18□18-P1J  | 18V, 0~1.00A  | ±3%  | 150mV | 86%  |
| GSM18□07-P1J | 7.5V, 0~2.00A | ±5%  | 80mV  | 83%   | GSM18□24-P1J  | 24V, 0~0.75A  | ±2%  | 180mV | 87%  |
| GSM18□09-P1J | 9V, 0~2.00A   | ±5%  | 80mV  | 84%   | GSM18□48-P1J  | 48V, 0~0.375A | ±2%  | 240mV | 88%  |
| GSM18□12-P1J | 12V, 0~1.50A  | ±3%  | 120mV | 85%   | □ = B / U / E; B: IEC320-C8; U: American 2P; E: European 2P |               |      |       |      |
| GSM18□15-P1J | 15V, 0~1.20A  | ±3%  | 120mV | 85.5% |   |               |      |       |      |

## Desktop / Wall-mounted — 25W

| Order No.    | Output        | Tol. | R & N | Eff. | Order No.  | Output       | Tol. | R & N | Eff. |
|--------------|---------------|------|-------|------|--|--------------|------|-------|------|
| GSM25□05-P1J | 5V, 0~4.00A   | ±6%  | 60mV  | 80%  | GSM25□18-P1J   | 18V, 0~1.38A | ±3%  | 150mV | 86%  |
| GSM25□07-P1J | 7.5V, 0~2.93A | ±5%  | 80mV  | 83%  | GSM25□24-P1J   | 24V, 0~1.04A | ±2%  | 180mV | 87%  |
| GSM25□09-P1J | 9V, 0~2.77A   | ±5%  | 80mV  | 84%  | GSM25□48-P1J   | 48V, 0~0.52A | ±2%  | 240mV | 88%  |
| GSM25□12-P1J | 12V, 0~2.08A  | ±3%  | 120mV | 86%  | □ = B / U / E;<br>B: IEC320-C8; U: American 2P; E: European 2P |              |      |       |      |
| GSM25□15-P1J | 15V, 0~1.66A  | ±3%  | 120mV | 86%  |  |              |      |       |      |

## Desktop / Wall-mounted — 36W

| Order No.    | Output        | Tol. | R & N | Eff. | Order No.  | Output       | Tol. | R & N | Eff. |
|--------------|---------------|------|-------|------|--|--------------|------|-------|------|
| GSM36□05-P1J | 5V, 0~4.50A   | ±6%  | 80mV  | 80%  | GSM36□18-P1J   | 18V, 0~2.00A | ±3%  | 150mV | 87%  |
| GSM36□07-P1J | 7.5V, 0~4.32A | ±5%  | 80mV  | 83%  | GSM36□24-P1J   | 24V, 0~1.50A | ±2%  | 180mV | 87%  |
| GSM36□09-P1J | 9V, 0~4.00A   | ±5%  | 80mV  | 84%  | GSM36□48-P1J   | 48V, 0~0.75A | ±2%  | 240mV | 88%  |
| GSM36□12-P1J | 12V, 0~3.00A  | ±3%  | 120mV | 86%  | □ = B / U / E;<br>B: IEC320-C8; U: American 2P; E: European 2P |              |      |       |      |
| GSM36□15-P1J | 15V, 0~2.40A  | ±3%  | 120mV | 87%  |  |              |      |       |      |



# Medical Adaptor 6W~220W Single Output



## Power Supply Features

- Universal AC input / Full range
- **Medical safety approved (2xMOPP)**
- **No load power consumption < 0.1W (<0.15W for GSM90/120)**
- Energy efficiency Level VI (except GSM40/60 5~9V level V)
- Meets EISA 2007 (Energy Independence and Security Act)
- High efficiency up to 91.5%
- Low leakage current < 50µA (<100µA for GSM40A/60A/90B/120B)

• Suitable for BF (connection to patient) with appropriate system considerations (B-type)

- **Active Power Factor Correction (90W and greater)**
- A-Type: Class I (with earth Pin)
- B-Type: Class II (w/o earth Pin)
- Protection: Short circuit / Overload / Over voltage / Over temperature (except GSM40)
- LED indicator for power on
- **3 year warranty**



12~48V only!

## General Specifications (Please refer to [www.procontechology.com.au](http://www.procontechology.com.au) for detailed specs)



| Order No.                             | GSM40   | GSM60   | GSM90  | GSM120                           |
|---------------------------------------|---|---|--|----------------------------------|
| AC input voltage range                | 80~264VAC; 113~370VDC   |   |  |                                  |
| AC inrush current (max.)              | Cold start, 60A at 230VAC   |   |  | Cold start, 70A at 230VAC        |
| Overload protection                   | Range   | 105~160% rated output power                   |  | 110~150%                         |
|                                       | Type  | Hiccup mode, auto-recovery                    |  |                                  |
| Over voltage protection               | Range   | 105~135% rated output voltage                 |  |                                  |
|                                       | Type  | Shut down o/p voltage, re-power on to recover |  |                                  |
| Setup, rise, hold-up time             | 1000ms, 30ms, 50ms  |   | 1000ms, 50ms, 40ms   | 1500ms, 30ms, 40ms               |
| Withstand voltage                     | A-Type: I/P-O/P: 4kVAC, I/P-FG: 2kVAC, O/P-FG: Short<br>B-Type: I/P-O/P: 4kVAC  |   |  |                                  |
| Working temperature                   | -30°C ~ +70°C (refer to output derating curve)  |   |  |                                  |
| Safety standards                      | ANSI/AAMI ES60601-1 / <b>ES60601-1-11*</b> , TUV EN60601-1 / <b>EN60601-1-11*</b> approved. *B-type only  |   |  |                                  |
| EMC standards                         | EN55011 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11, EN61204-3, EN60601-1-2 medical level, FCC Part 15 class B                                     |   |  |                                  |
| Length of output cable                | 100cm of UL2464, 16AWG for GSM40 5~7.5V, GSM60 5~15V<br>100cm of UL1185, 16AWG for GSM40 9~12V<br>150cm of UL1185, 16AWG for GSM40 15~48V, GSM60 18~48V |   | 100cm of UL1185,<br>14 AWG for 12~15V;<br>120cm of UL1185,<br>16AWG for 19~48V | 120cm of UL2464,<br>18AWGx4C     |
| Standard DC plug (refer to plug list) | P1J: 2.1øx 5.5øx11mm/C+, tuning fork type   |   | P1M: 2.5øx5.5øx11mm/C+<br>tuning fork type                                     | R7B: power DIN 4P with lock type |
| Dimension (LxWxH)                     | 125x50x31.5mm   |   | 145x60x32mm  | 167x67x35mm                      |

## Desktop (IEC320-C14/Class I) – 40W

| Order No.    | Output        | Tol.  | R&N   | Eff.  |
|--------------|---------------|-------|-------|-------|
| GSM40A05-P1J | 5V, 0~5.00A   | ±5%   | 80mV  | 81.0% |
| GSM40A07-P1J | 7.5V, 0~5.34A | ±5%   | 80mV  | 85.5% |
| GSM40A09-P1J | 9V, 0~4.45A   | ±5%   | 100mV | 86.0% |
| GSM40A12-P1J | 12V, 0~3.34A  | ±3%   | 100mV | 88.0% |
| GSM40A15-P1J | 15V, 0~2.67A  | ±3%   | 100mV | 88.5% |
| GSM40A18-P1J | 18V, 0~2.22A  | ±3%   | 120mV | 89.5% |
| GSM40A24-P1J | 24V, 0~1.67A  | ±2.5% | 150mV | 90.0% |
| GSM40A48-P1J | 48V, 0~1.84A  | ±2.5% | 150mV | 91.0% |

## Desktop (IEC320-C8/Class II) – 40W

| Order No.    | Output        | Tol.  | R&N   | Eff.  |
|--------------|---------------|-------|-------|-------|
| GSM40B05-P1J | 5V, 0~5.00A   | ±5%   | 80mV  | 81.0% |
| GSM40B07-P1J | 7.5V, 0~5.34A | ±5%   | 80mV  | 85.5% |
| GSM40B09-P1J | 9V, 0~4.45A   | ±5%   | 100mV | 86.0% |
| GSM40B12-P1J | 12V, 0~3.34A  | ±3%   | 100mV | 88.0% |
| GSM40B15-P1J | 15V, 0~2.67A  | ±3%   | 100mV | 88.5% |
| GSM40B18-P1J | 18V, 0~2.22A  | ±3%   | 120mV | 89.5% |
| GSM40B24-P1J | 24V, 0~1.67A  | ±2.5% | 150mV | 90.0% |
| GSM40B48-P1J | 48V, 0~0.84A  | ±2.5% | 150mV | 91.0% |

## Desktop (IEC320-C14/Class I) – 60W

| Order No.    | Output        | Tol. | R&N   | Eff.  |
|--------------|---------------|------|-------|-------|
| GSM60A05-P1J | 5V, 0~6.00A   | ±5%  | 80mV  | 81.5% |
| GSM60A07-P1J | 7.5V, 0~6.00A | ±5%  | 80mV  | 86.0% |
| GSM60A09-P1J | 9V, 0~6.00A   | ±5%  | 100mV | 87.5% |
| GSM60A12-P1J | 12V, 0~5.00A  | ±3%  | 100mV | 88.0% |
| GSM60A15-P1J | 15V, 0~4.00A  | ±3%  | 100mV | 88.5% |

| Order No.    | Output       | Tol.  | R&N   | Eff.  |
|--------------|--------------|-------|-------|-------|
| GSM60A18-P1J | 18V, 0~3.33A | ±3%   | 120mV | 89.0% |
| GSM60A24-P1J | 24V, 0~2.50A | ±3%   | 150mV | 90.0% |
| GSM60A48-P1J | 48V, 0~1.25A | ±2.5% | 200mV | 91.5% |

## Desktop (IEC320-C8/Class II) – 60W

| Order No.    | Output       | Tol.  | R&N   | Eff.  |
|--------------|--------------|-------|-------|-------|
| GSM60B05-P1J | 5V, 0~6A     | ±5%   | 80mV  | 81.5% |
| GSM60B07-P1J | 7.5V, 0~6A   | ±5%   | 80mV  | 86.0% |
| GSM60B09-P1J | 9V, 0~6A     | ±5%   | 100mV | 87.5% |
| GSM60B12-P1J | 12V, 0~5A    | ±3%   | 100mV | 88.0% |
| GSM60B15-P1J | 15V, 0~4A    | ±3%   | 100mV | 88.5% |
| GSM60B18-P1J | 18V, 0~3.33A | ±3%   | 120mV | 89.0% |
| GSM60B24-P1J | 24V, 0~2.5A  | ±3%   | 150mV | 90.0% |
| GSM60B48-P1J | 48V, 0~1.25A | ±2.5% | 200mV | 91.5% |

## Desktop (IEC320-C14/8-Class I/II) – 90W

| Order No.    | Output       | Tol.  | R&N   | Eff.  |
|--------------|--------------|-------|-------|-------|
| GSM90□12-P1M | 12V, 0~6.67A | ±5%   | 120mV | 88.0% |
| GSM90□15-P1M | 15V, 0~6.00A | ±5%   | 120mV | 89.0% |
| GSM90□19-P1M | 19V, 0~4.74A | ±4%   | 120mV | 89.0% |
| GSM90□24-P1M | 24V, 0~3.75A | ±3%   | 180mV | 90.0% |
| GSM90□48-P1M | 48V, 0~1.87A | ±2.5% | 200mV | 91.0% |

## Desktop (IEC320-C14/8-Class I/II) – 120W

| Order No.     | Output       | Tol.  | R&N   | Eff.  |
|---------------|--------------|-------|-------|-------|
| GSM120□12-R7B | 12V, 0~8.5A  | ±5%   | 100mV | 88.0% |
| GSM120□15-R7B | 15V, 0~7.00A | ±5%   | 120mV | 89.0% |
| GSM120□20-R7B | 20V, 0~6.00A | ±5%   | 180mV | 89.0% |
| GSM120□24-R7B | 24V, 0~5.00A | ±3%   | 180mV | 90.0% |
| GSM120□48-R7B | 48V, 0~2.50A | ±2.5% | 200mV | 91.5% |



# Medical Adaptor

6W~220W Single Output



## Power Supply Features

- Universal AC input / Full range
- **Medical safety approved (2xMOPP)**
- **No load power consumption < 0.15W**
- Energy efficiency Level VI
- Meets EISA 2007 (Energy Independence and Security Act)
- High efficiency up to 94.5%
- Extremely low leakage current



• Suitable for BF (connection to patient) with appropriate system considerations (B-type)

- Active Power Factor Correction
- **Fanless design, high operating temperature up to 70°C**
- A-Type: Class I (with earth Pin); B-Type: Class II (w/o earth Pin)
- Protection: Short circuit / Overload / Overvoltage / Over temp.
- Fully enclosed 94V-0 flame retardant plastic case
- LED indicator for power on
- **3 year warranty**



## General Specifications (Please refer to [www.procontechology.com.au](http://www.procontechology.com.au) for detailed specs)



| Order No.                             | GSM160  | GSM220  |
|---------------------------------------|---|---|
| AC input voltage range                | 80~264VAC; 113~370VDC   |   |
| AC inrush current (max.)              | Cold start, 110A at 230VAC  |   |
| Overload protection                   | Range   | 105~150% rated output power                   |
|                                       | Type  | Hiccup mode, auto-recovery                    |
| Over voltage protection               | Range   | 105~135% rated output voltage                 |
|                                       | Type  | Shut down o/p voltage, re-power on to recover |
| Setup, rise, hold-up time             | 2000ms, 50ms, 24ms  |   |
| Withstand voltage                     | A-Type: I/P-O/P: 4kVAC, I/P-FG: 2kVAC, O/P-FG: 0.5kVAC  |   |
|                                       | B-Type: I/P-O/P: 4kVAC  |   |
| Working temperature                   | -30°C ~ +70°C (refer to output derating curve)  |   |
| Safety standards                      | ANSI/AAMI ES60601-1 / <b>ES60601-1-11*</b> , TUV EN60601-1 / <b>EN60601-1-11*</b> approved. <b>*B-type only</b>     |   |
| EMC standards                         | EN55011 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11, EN61204-3, EN60601-1-2 medical level, FCC Part 15 class B |   |
| Length of output cable                | 100cm of UL2464, 16AWGx4C for 12V   | 100 cm of UL2464, 16 AWGx4C                   |
|                                       | 120cm of UL2464, 18AWGx4C for 15~48V  |   |
| Standard DC plug (refer to plug list) | R7B: power DIN 4P with lock type  |   |
| Dimension (LxWxH)                     | 175x72x35mm   | 210x85x46mm                                   |

## Desktop (IEC320-C14/8-Class I/II) – 160W

| Order No.     | Output       | Tol. | R&N   | Eff.  |
|---------------|--------------|------|-------|-------|
| GSM160□12-R7B | 12V, 0~11.5A | ±5%  | 80mV  | 90.0% |
| GSM160□15-R7B | 15V, 0~9.6A  | ±5%  | 100mV | 91.0% |
| GSM160□20-R7B | 18V, 0~8.0A  | ±4%  | 120mV | 92.5% |
| GSM160□24-R7B | 24V, 0~6.67A | ±3%  | 180mV | 93.5% |
| GSM160□48-R7B | 48V, 0~3.34A | ±3%  | 200mV | 94.0% |

□ = A/B; A: IEC320-C14 / Class I; B: IEC320-C8 / Class II

## Desktop (IEC320-C14/8-Class I/II) – 220W

| Order No.     | Output       | Tol. | R&N   | Eff.  |
|---------------|--------------|------|-------|-------|
| GSM220□12-P1J | 12V, 0~15.0A | ±5%  | 80mV  | 90.0% |
| GSM220□15-P1J | 15V, 0~13.4A | ±5%  | 80mV  | 90.0% |
| GSM220□20-P1J | 18V, 0~11.0A | ±4%  | 120mV | 92.0% |
| GSM220□24-P1J | 24V, 0~9.2A  | ±3%  | 120mV | 93.5% |
| GSM220□48-P2J | 48V, 0~4.6A  | ±2%  | 180mV | 94.5% |

□ = A/B; A: IEC320-C14 / Class I; B: IEC320-C8 / Class II

# Medical Adaptor

12~60W Interchangeable Type



GEM12I 73.9x 39x 48.5 mm  
 GEM18I/30I/40I 75.5x 39.1x 56.2 mm  
 GEM60I 75.5x 39.1x 56.2 mm

## Features

- Interchangeable AC plugs (plug kit sold separately)
- **Medical safety approved (2xMOPP)**
- Suitable for BF application with appropriate system consideration
- No load power consumption < 0.075W (< 0.1W for GEM12I18V/48V and GEM30I/40I, < 0.15W for GEM60I)
- **Energy efficiency Level VI**
- Comply with EISA 2007/DoE and EU ErP
- Class II power (without earth pin)
- Protections: Short circuit / Overload / Over voltage
- Extremely low leakage current
- Fully enclosed plastic case
- **3 years warranty**