



Power Supply Features

- Universal AC input / full range
- No load power consumption <0.075W
- **Energy Efficiency Level VI – Green Power!**
- Complies with EISA 2007/DoE, NRCAN, AU/NZ MEPS, Korea K-MEPS, EU ErP & CoC Version 5
- 2 pole USA/EURO plug or IEC320-C14 / C8
- Class II power (without earth pin) for B/E/U types
- Class I power (with earth pin) only for A type
- Protection: Short circuit / Overload / Over voltage

- Fully enclosed 94V-0 flame retardant plastic case
- LED power on indicator
- UL listed, Limited Power Source (LPS)
- Approvals:

A type: UL / TUV / CB / FCC / CE / global certificates

B type: UL / TUV / CB / FCC / CE / global certificates

U type: UL / CUL / BSMI / EAC / CB / FCC

E type: TUV / EAC / SIRIM / CB / CE

- **Wide temperature range –30°C to +70°C**

- **Australian Electrical Safety Approval (A/B type only)**



General Specifications (Refer to www.procontechology.com.au for detailed specs)

3 year warranty

Order No.	GST18	GST25	GST36
AC input voltage range	85~264VAC		
AC inrush current (max)	Cold start, 70A at 230VAC		
Overload protection	110~150% rated output voltage, hiccup mode, auto-recovery		
Over voltage protection	110~140% rated output voltage, clamp by zener diode		
Withstand voltage	I/P-O/P: 4242VDC; I/P-FG: 2121VDC (A type -VDC not connected to earth)		
Working temperature	-30°C ~ +70°C (refer to output derating curve)		
Safety standards	A type: UL60950-1, CSA 22.2, TUV EN60950-1, BSMI CNS14336, PSE J60950-1, AS/NZS60950 approved + others B type: UL60950-1, CSA 22.2, TUV EN60950-1, BSMI CNS14336, AS/NZS60950.1 approved + others U type: UL60950, CSA22.2, BSMI CNS14336 approved + others E type: TUV EN60950-1 approved + others		
EMC standards	EN55032(CISPR32) class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11 (A/B/E type), FCC part 15 class B (A/B/U type), CNS13438 (A/B/U type), GB9254 (A/B type), EAC TP TC 020		
Length of output cable	120cm of UL1185, 16AWG for 5~12V; 180cm of UL1185, 18AWG for 15~48V	100cm of UL1185, 16AWG for 5~12V; 180cm of UL1185, 18AWG for 15~48V	100cm of UL1185, 16AWG
Standard DC plug	P1J: 2.1øx5.5øx11mm/C+, tuning fork type (other plugs available to special order, refer to DC plug list)		

Desktop / Wall-mounted – 18W



Order No.	Output	Tol.	R&N	Eff.	Order No.	Output	Tol.	R&N	Eff.
GST18□05-P1J	5V, 0~3.00A	±5%	80mV	81.0%	GST18□24-P1J	24V, 0~0.75A	±2%	180mV	88.0%
GST18□07-P1J	7.5V, 0~2.00A	±5%	80mV	85.0%	GST18□28-P1J	28V, 0~0.64A	±2%	240mV	88.5%
GST18□09-P1J	9V, 0~2.00A	±5%	80mV	85.0%	GST18□48-P1J	48V, 0~0.375A	±2%	240mV	89.0%
GST18□12-P1J	12V, 0~1.50A	±3%	80mV	86.0%	□ = A / B / U / E				
GST18□15-P1J	15V, 0~1.20A	±3%	100mV	87.0%	Class I — A: IEC320-C14				
GST18□18-P1J	18V, 0~1.00A	±3%	150mV	88.0%	Class II — B: IEC320-C8, U: American 2P, E: European 2P				

Desktop / Wall-mounted – 25W



Order No.	Output	Tol.	R&N	Eff.	Order No.	Output	Tol.	R&N	Eff.
GST25□05-P1J	5V, 0~4.00A	±5%	80mV	81.5%	GST25□24-P1J	24V, 0~1.04A	±2%	180mV	88.0%
GST25□07-P1J	7.5V, 0~2.93A	±5%	80mV	84.5%	GST25□28-P1J	28V, 0~0.89A	±2%	240mV	88.0%
GST25□09-P1J	9V, 0~2.55A	±5%	80mV	85.0%	GST25□48-P1J	48V, 0~0.52A	±2%	240mV	89.0%
GST25□12-P1J	12V, 0~2.08A	±3%	80mV	86.5%	□ = A / B / U / E				
GST25□15-P1J	15V, 0~1.66A	±3%	100mV	87.0%	Class I — A: IEC320-C14				
GST25□18-P1J	18V, 0~1.38A	±3%	150mV	87.0%	Class II — B: IEC320-C8, U: American 2P, E: European 2P				

Desktop / Wall-mounted – 36W



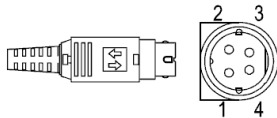
Order No.	Output	Tol.	R&N	Eff.	Order No.	Output	Tol.	R&N	Eff.
GST36□05-P1J	5V, 0~4.30A	±5%	90mV	82.0%	GST36□24-P1J	24V, 0~1.50A	±2%	180mV	88.5%
GST36□09-P1J	9V, 0~3.11A	±5%	90mV	86.0%	GST36□48-P1J	48V, 0~0.75A	±2%	240mV	90.0%
GST36□12-P1J	12V, 0~3.00A	±3%	100mV	87.5%	□ = B / U / E; B: IEC320-C8, U: American 2P, E: European 2P				



Power Supply Features

- Universal AC input / full range
- No load power consumption <0.075W for GST40/60; <0.15W for GST90/120
- **Energy efficiency Level VI – Green Power!**
- Complies with EISA 2007/DoE, NRCAN, AU/NZ/K MEPS, EU ErP and CoC Version 5
- Built-in active PFC for GST90/GST120
- 3 pole AC inlet IEC320-C14
- Class I power (with earth pin)
- **Fanless design, high operating temperature 70°C**
- Protection: Short circuit / Over voltage / Overload / Over temp. (except for GST40)
- Fully enclosed 94V-0 flame retardant plastic case
- LED indicator for power on
- UL listed, LPS (except for GST90/GST120)
- **3 year warranty**

Australian Electrical Safety Approval



R7B – DIN 4 pin with lock
Pins 1, 4 = +Vout
Pins 2, 3 = -Vout



General Specifications

GST90/GST120 only

Order No.	GST40A	GST60A	GST90A	GST120A
AC input voltage range	90~264VAC; 127~370VDC			85~264VAC; 120~370VDC
AC inrush current (max)	Cold start, 65A at 230VAC		Cold start, 70A at 230VAC	
Overload protection	Range	105~150% rated output power	110~150%	105~160%
	Type	Hiccup mode, auto-recovery		
Over voltage protection	105~135% rated output voltage, shut down o/p voltage, re-power on to recover			
Setup, rise, hold up time	1000ms, 50ms, 50ms at 230VAC input	1000ms, 20ms, 20ms at 230VAC input		2000ms, 30ms, 20ms at 230VAC input
Withstand voltage	I/P-O/P: 3kVAC, I/P-FG: 2kVAC, O/P-FG: 0.5kVAC			I/P-FG: 3kVAC (-VDC earthed)
Working temperature	-30°C ~ +70°C (refer to output derating curve)			
Safety standards	UL60950-1, TUV EN60950-1, BSMI CNS14336, PSE J60950-1, AS/NZS60950, EAC TP TC 004 approved + others			
EMC standards	EN55032 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11, CNS13438, GB9254, FCC part 15 class B, EAC TP TC 020			
Length of output cable	GST40: 100cm of UL1185, 16AWG for 5~15V; 180cm of UL1185, 18AWG for 18~48V GST60: 100cm of UL2464, 16AWG for 5~9V; 100cm of UL1185, 16AWG for 12~15V; 180cm of UL1185, 18AWG for 18~48V	100cm of UL1185, 14AWG for 12~15V; 120cm of UL1185, 16AWG for 19~48V		100cm of UL2464, 16AWGx4C for 12V 120cm of UL2464, 18AWGx4C for 15~48V
Standard DC plug (also refer to DC plug list)	P1J: 2.1øx5.5øx11mm/C+, tuning fork type	P1M: 2.5øx5.5øx11mm/C+, tuning fork type		R7B: Power DIN 4 pole with lock P1M: 2.5øx5.5øx11mm/C+ tuning fork type (20~48V only)

Desktop (IEC 320-C14/Class I) – 40W

Order No.	Output	Tol.	R&N	Eff.
GST40A05-P1J	5V, 0~5.00A	±5%	150mV	84.5%
GST40A07-P1J	7.5V, 0~5.34A	±5%	150mV	87.5%
GST40A09-P1J	9V, 0~4.45A	±5%	150mV	88.5%
GST40A12-P1J	12V, 0~3.34A	±3%	150mV	89.5%
GST40A15-P1J	15V, 0~2.67A	±3%	150mV	90.0%
GST40A18-P1J	18V, 0~2.22A	±3%	150mV	90.0%
GST40A24-P1J	24V, 0~1.67A	±2.5%	180mV	91.0%
GST40A48-P1J	48V, 0~0.84A	±2.5%	240mV	92.0%

Desktop (IEC 320-C14/Class I) – 60W

Order No.	Output	Tol.	R&N	Eff.
GST60A05-P1J	5V, 0~6.00A	±5%	150mV	85.5%
GST60A07-P1J	7.5V, 0~6.00A	±5%	150mV	88.5%
GST60A09-P1J	9V, 0~6.00A	±5%	150mV	89.0%
GST60A12-P1J	12V, 0~5.00A	±3%	150mV	89.5%
GST60A15-P1J	15V, 0~4.00A	±3%	150mV	89.5%
GST60A18-P1J	18V, 0~3.33A	±3%	150mV	89.5%
GST60A24-P1J	24V, 0~2.50A	±3%	180mV	90.5%
GST60A48-P1J	48V, 0~1.25A	±2.5%	240mV	92.0%

Desktop (IEC 320-C14/Class I) – 90W

Order No.	Output	Tol.	R&N	Eff.
GST90A12-P1M	12V, 0~6.67A	±5%	80mV	89.0%
GST90A15-P1M	15V, 0~6.00A	±5%	100mV	89.5%
GST90A19-P1M	19V, 0~4.74A	±4%	150mV	90.0%
GST90A24-P1M	24V, 0~3.75A	±3%	180mV	90.0%
GST90A48-P1M	48V, 0~1.87A	±2%	240mV	91.0%

Desktop (IEC 320-C14/Class I) – 120W

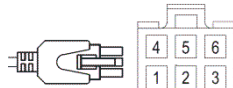
Order No.	Output	Tol.	R&N	Eff.
GST120A12-R7B	12V, 0~8.5A	±5%	120mV	88.5%
GST120A15-R7B	15V, 0~7.0A	±5%	150mV	89.0%
GST120A20-□	20V, 0~6.0A	±5%	180mV	90.0%
GST120A24-□	24V, 0~5.0A	±3%	200mV	90.5%
GST120A48-□	48V, 0~2.5A	±2.5%	240mV	91.0%

□ = P1M / R7B



Power Supply Features

- Universal AC input / Full range
- No load power consumption <0.15W (GST280 <0.5W)
- **Energy efficiency Level VI – Green Power!**
- Complies with EISA 2007/DoE, NRCAN, AU/NZ/K MEPS, EU ErP and CoC Version 5
- Built-in active PFC (Power Factor Correction)
- 3 pole AC inlet IEC320-C14
- Class I power (with earth pin)
- **Fanless design, high operating temperature 70°C**
- Protection: Short circuit / Overload / Over voltage / Over temperature
- Fully enclosed 94V-0 flame retardant plastic case
- LED indicator for power on
- **3 year warranty**



C6P – MOLEX 39-01-2060
Pins 1, 2, 3 = +Vout
Pins 4, 5, 6 = -Vout



General Specifications

Order No.	GST160A	GST220A	GST280A
AC input voltage range	85~264VAC; 120~370VDC		
AC inrush current (max)	Cold start, 120A at 230VAC		
Overload protection	Range	105~135% rated output power	
	Type	Hiccup mode, auto-recovery	
Over voltage protection	Range	105~135% rated output power	
	Type	Shut down o/p voltage, re-power on to recover	
Hold up time	20ms at full load		16ms at full load
Withstand voltage	I/P-O/P: 3kVAC (-VDC earthed, for isolated output see the HLG range)		
Working temperature	-30°C ~ +70°C (refer to output derating)		
Safety standards	UL60950-1, TUV EN60950-1, BSMI CNS14336, PSE J60950-1, AS/NZS60950, EAC TP TC 004 approved + others		
EMC standards	EN55032 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11, FCC part 15 class B, CNS13438, GB9254, GB17625, EAC TP TC 020		
Length of output cable	100cm of UL2464, 18AWGx4C - 12V 120cm of UL2464, 18AWGx4C - 15~48V		100cm of UL2464, 16AWGx4C
Standard DC plug (also refer to DC plug list)	R7B: Power DIN 4 pole with lock		6P/ 4.2mm pitch, MOLEX 39-01-2060 (power supply); mates with MOLEX 39-01-2061 (not supplied)

Desktop (IEC320-C14/Class I) – 160W

Order No.	Output	Tol.	R&N	Eff.
GST160A12-R7B	12V, 0~11.5A	±5%	80mV	90.0%
GST160A15-R7B	15V, 0~9.6A	±5%	100mV	91.0%
GST160A20-R7B	20V, 0~8.0A	±4%	150mV	93.0%
GST160A24-R7B	24V, 0~6.67A	±3%	180mV	93.0%
GST160A48-R7B	48V, 0~3.34A	±3%	240mV	94.0%

Desktop (IEC320-C14/Class I) – 280W

Order No.	Output	Tol.	R&N	Eff.
GST280A12-C4P	12V, 0~18.5A	±5%	120mV	90.0%
GST280A15-C4P	15V, 0~16A	±5%	120mV	90.0%
GST280A20-C4P	20V, 0~13A	±4%	150mV	92.0%
GST280A24-C4P	24V, 0~11.67A	±3%	280mV	93.0%
GST280A48-C4P	48V, 0~5.84A	±2%	280mV	94.0%

Desktop (IEC320-C14/Class I) – 220W

Order No.	Output	Tol.	R&N	Eff.
GST220A12-R7B	12V, 0~15.0A	±5%	80mV	90.0%
GST220A15-R7B	15V, 0~13.4A	±5%	100mV	90.0%
GST220A20-R7B	20V, 0~11.0A	±4%	150mV	92.0%
GST220A24-R7B	24V, 0~9.20A	±3%	180mV	93.5%
GST220A48-R7B	48V, 0~4.60A	±2%	240mV	94.5%



Energy Saving —

We care about saving energy. This logo indicates that the model has "low no-load power consumption"



Quality products need quality service.

Procon Technology has plenty of stock on hand for prompt delivery. We can also offer you technical support and backup. Please contact us for more information. You can also contact us at procon@tpg.com.au for further information on any Meanwell products and services.