



Внешние подключаемые источники питания серии GST

Технические характеристики



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Industrial Adaptor

18~36W Single Output



GST18/25A
93x 54x 36 mm



GST18/25/36B
79x 54x 33 mm



GST18/25/36U
79x 54x 33 mm



GST18/25/36E
79x 54x 33 mm

Features

- Global certificate
- Universal AC input / Full range
- No load power consumption < 0.075W
- Energy efficiency Level VI
- Comply with EISA 2007 / DoE, NRCAN, AU/NZ MEPS, EU ErP and CoC Version 5
- 2 pole USA / EURO plug or IEC320-C14/C8
- Class II power (without earth pin) for B/U/E type
- Class I power (with earth pin) only for A type
- Protections: Short circuit / Overload / Over voltage
- Fully enclosed plastic case
- LED indicator for power on
- Pass LPS
- Approvals:
A type: UL / CUL / TUV / BSMI / CCC / PSE / RCM / CB / FCC / CE
B type: UL / CUL / TUV / BSMI / CCC / PSE / RCM / CB / FCC / CE
U type: UL / CUL / BSMI / CB / FCC
E type: TUV / CB / CE
- 3 years warranty

Order No.	GST18 ☐	GST25 ☐	GST36 ☐
AC input voltage range	85~264VAC		
AC inrush current (max.)	Cold start, 70A at 230VAC		
Overload protection	Range Type	110%~150% rated output power Hiccup mode, auto-recovery	110%~250% rated output power
Over voltage protection	110%~140% rated output voltage, clamp by zener diode		
Withstand voltage	I/P-O/P: 4242VDC, 1 minute		
Working temperature	-30~+70°C (refer to output derating curve)		
Safety standards	A-Type: UL60950-1, CSA 22.2, TUV EN60950-1, BSMI CNS14336, PSE J60950-1, CCC GB4943, AS/NZS60950.1 approved (SIRIM/KC/BIS pending) B-Type: UL60950-1, CSA 22.2, TUV EN60950-1, BSMI CNS14336, PSE J60950-1, CCC GB4943, AS/NZS60950.1 approved U-Type: UL60950-1, CSA22.2, BSMI CNS14336 approved E-Type: TUV EN60950-1 approved		
EMC standards	EN55022 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11(A/B/E type); FCC part 15 class B, CNS13438 class B(A/B/U type); GB9254(A/B type)		
Length of output cable	120cm of UL1185, 16AWG for 5~12V ; 180cm of UL1185, 18AWG for 15~48V	100cm of UL2468, 16AWG for 5~12V; 180cm of UL1185, 18AWG for 15~48V	100cm of UL2468, 16AWG
Standard DC plug	P1J: 2.1Øx5.5Øx11mm / C+, tuning fork type (refer to page 62 for DC plug list)		

Desktop / Wall-mounted — 18W



Order No.	Output	Tol.	R&N	Effi.
GST18□05-P1J	5V, 0~3.00A	±5%	80mV	81.0%
GST18□07-P1J	7.5V, 0~2.00A	±5%	80mV	85.0%
GST18□09-P1J	9V, 0~2.00A	±5%	80mV	85.0%
GST18□12-P1J	12V, 0~1.50A	±3%	80mV	86.0%
GST18□15-P1J	15V, 0~1.20A	±3%	100mV	87.0%
GST18□18-P1J	18V, 0~1.00A	±3%	150mV	88.0%

Order No.	Output	Tol.	R&N	Effi.
GST18□24-P1J	24V, 0~0.75A	±2%	180mV	88.0%
GST18□28-P1J	28V, 0~0.64A	±2%	240mV	88.5%
GST18□48-P1J	48V, 0~0.375A	±2%	240mV	89.0%

□ = A / B / U / E
Class I — A: IEC320-C14
Class II — B: IEC320-C8, U: American 2P, E: European 2P

Desktop / Wall-mounted — 25W



Order No.	Output	Tol.	R&N	Effi.
GST25□05-P1J	5V, 0~4.00A	±5%	80mV	81.5%
GST25□07-P1J	7.5V, 0~2.93A	±5%	80mV	84.5%
GST25□09-P1J	9V, 0~2.55A	±5%	80mV	85.0%
GST25□12-P1J	12V, 0~2.08A	±3%	80mV	86.5%
GST25□15-P1J	15V, 0~1.66A	±3%	100mV	87.0%
GST25□18-P1J	18V, 0~1.38A	±3%	150mV	87.0%

Order No.	Output	Tol.	R&N	Effi.
GST25□24-P1J	24V, 0~1.04A	±2%	180mV	88.0%
GST25□28-P1J	28V, 0~0.89A	±2%	240mV	88.0%
GST25□48-P1J	48V, 0~0.52A	±2%	240mV	89.0%

□ = A / B / U / E
Class I — A: IEC320-C14
Class II — B: IEC320-C8, U: American 2P, E: European 2P

Wall-mounted — 36W



Order No.	Output	Tol.	R&N	Effi.
GST36□05-P1J	5V, 0~4.30A	±5%	90mV	82.0%
GST36□09-P1J	9V, 0~3.11A	±5%	90mV	86.0%
GST36□12-P1J	12V, 0~3.00A	±3%	100mV	87.5%

Order No.	Output	Tol.	R&N	Effi.
GST36□24-P1J	24V, 0~1.50A	±2%	180mV	88.5%
GST36□48-P1J	48V, 0~0.75A	±2%	240mV	90.0%

□ = B / U / E ; B: IEC320-C8; U: American 2P, E: European 2P



Features

- **Global certificate**
- Universal AC input / Full range
- No load power consumption <0.075W for GST40A/60A; <0.15W for GST90A/120A
- **Energy efficiency Level VI**
- Comply with EISA 2007 / DoE, NRCAN, AU/NZ MEPS, EU ErP and CoC Version 5
- Built-in active PFC function for GST90A/120A
- 3 pole AC inlet IEC320-C14
- Class I power (with earth pin)
- Protections: Short circuit / Over voltage / Overload / Over temp. (except for GST40A)
- Fully enclosed plastic case
- LED indicator for power on
- Pass LPS (except for GST90A/120A)
- 3 years warranty



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				
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	
Working temperature		-30~+70°C (refer to output derating curve)				
Safety standards		UL60950-1, TUV EN60950-1, BSMI CNS14336, CCC GB4943, PSE J60950-1, AS/NZS60950.1 approved (SIRIM/KC/BIS pending)				
EMC standards		EN55022 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11, CNS13438, GB9254, FCC part15 class B				
Length of output cable		GST40A: 100cm of UL1185, 16AWG for 5~15V; 180cm of UL1185, 18AWG for 18~48V GST60A: 100cm of UL2464, 16AWG for 5~9V; 100cm of UL1185, 16AWG for 12~15V; 150cm of UL1185, 16AWG for 18V; 180cm of UL1185, 18AWG for 24~48V		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 (refer to page 62 for DC plug list)		P1J: 2.1øx5.5øx11mm / C+, tuning fork type		P1M: 2.5øx5.5øx11mm / C+, tuning fork type		
				R7B: Power DIN 4P with lock type P1M: 2.5øx5.5øx11mm/C+, tuning fork type (20~48V only)		

Desktop (IEC 320-C14 / Class I) — 40W

Order No.	Output	Tol.	R&N	Effi.
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	Effi.
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	Effi.
GST90A12-P1M	12V, 0~6.67A	±5%	120mV	89.0%
GST90A15-P1M	15V, 0~6.00A	±5%	150mV	89.5%
GST90A19-P1M	19V, 0~4.74A	±4%	180mV	90.0%
GST90A24-P1M	24V, 0~3.75A	±3%	200mV	90.0%
GST90A48-P1M	48V, 0~1.87A	±2.5%	240mV	91.0%

Desktop (IEC 320-C14 / Class I) — 120W

Order No.	Output	Tol.	R&N	Effi.
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



Features

- **Global certificate**
- Universal AC input / Full range
- No load power consumption < 0.15W (GST280A < 0.5W)
- **Energy efficiency Level VI**
- Comply with EISA 2007 / DoE, NRCAN, AU/NZ MEPS, EU ErP and CoC Version 5
- Built-in active PFC function
- 3 pole AC inlet IEC320-C14
- Class I power (with earth pin)
- **Fanless design, high operating temperature up to +70°C**
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Fully enclosed plastic case
- LED indicator for power on
- 3 years warranty



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, 1 minute		
Working temperature	-30~+70°C (refer to output derating curve)		
Safety standards	UL60950-1, TUV EN60950-1, BSMI CNS14336, CCC GB4943, PSE J60950-1, AS/NZS60950.1 approved (SIRIM/KC/BIS pending)		
EMC standards	EN55022 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11, FCC part 15 class B, CNS13438, GB9254, GB17625.1		
Length of output cable	100cm of UL2464, 18AWGx4C for 12V 120cm of UL2464, 18AWGx4C for 15~48V		100cm of UL2464, 16AWGx4C
Standard DC plug (refer to page 62 for DC plug list)	R7B: Power DIN 4P with lock type		6P/4.2mm pitch, MOLEX 39-01-2060(power supply side); MOLEX 39-01-2061(customer side, not provided with GST280A)

Desktop (IEC320-C14/Class I) — 160W

Order No.	Output	Tol.	R&N	Effi.
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%
NEW GST160A36-R7B	36V, 0~4.44A	±3%	240mV	93.0%
GST160A48-R7B	48V, 0~3.34A	±3%	240mV	94.0%

Desktop (IEC320-C14/Class I) — 280W

Order No.	Output	Tol.	R&N	Effi.
GST280A12-C6P	12V, 0~21A	±5%	120mV	90.0%
GST280A15-C6P	15V, 0~17A	±5%	120mV	90.0%
GST280A20-C6P	20V, 0~13A	±4%	150mV	92.0%
GST280A24-C6P	24V, 0~11.67A	±3%	280mV	93.0%
GST280A48-C6P	48V, 0~5.84A	±2%	280mV	94.0%

Desktop (IEC320-C14/Class I) — 220W

Order No.	Output	Tol.	R&N	Effi.
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%

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