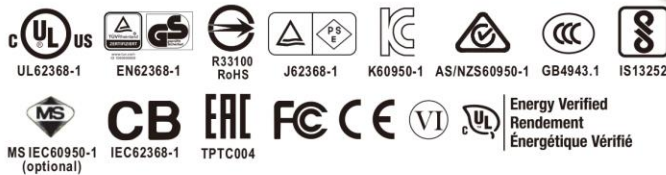




18W Desktop power supply < GST18B



Features

- **Global certificates**
- Universal AC input / Full range
- 2 pole AC inlet IEC320-C8, Class II power unit
- No load power consumption < 0.075W
- **Energy efficiency Level VI**
- Comply with EISA 2007/DoE, NRCAN, Korea K-MEPS, AU/NZ MEPS, EU ErP and CoC Version 5
- Protections: Short circuit / Overload / Over voltage
- Fully enclosed plastic case
- Pass LPS
- -30~+70°C wide range working temperature
- LED indicator for power on
- Various DC plug quick adapter accessory available
- 3 years warranty

Applications

- Consumer electronic devices
- Telecommunication devices
- Office facilities
- Industrial equipments

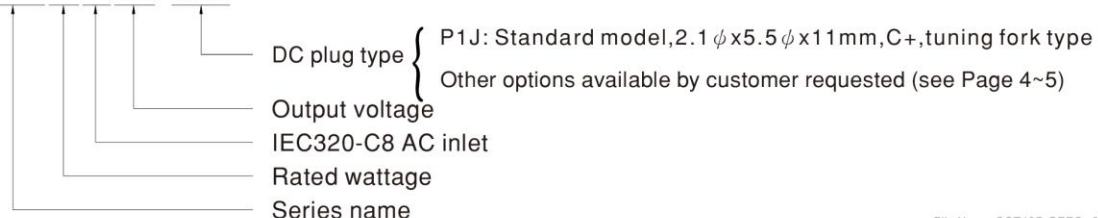
Description

GST18B is a highly reliable, 18W desktop style single-output green adaptor series. This product is a class II power unit (no FG), equipped with a standard IEC320-C8 AC inlet and adopting the input range from 85VAC to 264VAC. The entire series supplies different models with output voltages ranging between 5VDC and 48VDC that can satisfy the demands for various types of consumer electronic devices.

With the efficiency up to 89% and the extremely low no-load power consumption below 0.075W, GST18B is compliant with USA EISA 2007/DoE, Canada NRCAN, Australia and New Zealand MEPS, Korea K-MEPS, EU ErP, and Code of Conduct (CoC) Version 5. The supreme feature allows the adaptor to save the energy when it is either under the operating mode or the standby mode. The entire series utilizes the 94V-0 flame retardant plastic case, providing the double insulation that effectively prevents electrical shock. GST18B is certified for the international safety regulations.

Model Encoding

GST 18 B 05 -P1J





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SPECIFICATION

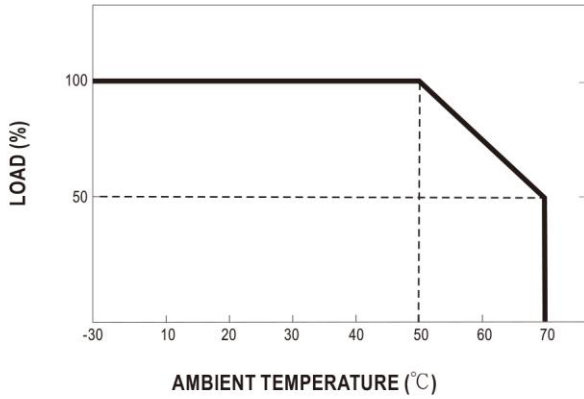
ORDER NO.	GST18B05-P1J	GST18B07-P1J	GST18B09-P1J	GST18B12-P1J	GST18B15-P1J	GST18B18-P1J	GST18B24-P1J	GST18B28-P1J	GST18B48-P1J	
OUTPUT	SAFETY MODEL NO.									
	DC VOLTAGE Note.2									
	RATED CURRENT									
	CURRENT RANGE									
	RATED POWER (max.)									
	RIPPLE & NOISE (max.) Note.3									
	VOLTAGE TOLERANCE Note.4									
	LINE REGULATION Note.5									
	LOAD REGULATION Note.6									
	SETUP, RISE, HOLD UP TIME									
INPUT	VOLTAGE RANGE Note.7									
	FREQUENCY RANGE									
	EFFICIENCY (Typ.)									
	AC CURRENT									
	INRUSH CURRENT (max.)									
	LEAKAGE CURRENT(max.)									
PROTECTION	OVERLOAD									
	OVER VOLTAGE									
ENVIRONMENT	WORKING TEMP.									
	WORKING HUMIDITY									
	STORAGE TEMP., HUMIDITY									
	TEMP. COEFFICIENT									
	VIBRATION									
SAFETY & EMC (Note. 9)	SAFETY STANDARDS Note. 8									
	WITHSTAND VOLTAGE									
	ISOLATION RESISTANCE									
	EMC EMISSION									
	EMC IMMUNITY									
	OTHERS									
	CONNECTOR									
	NOTE									



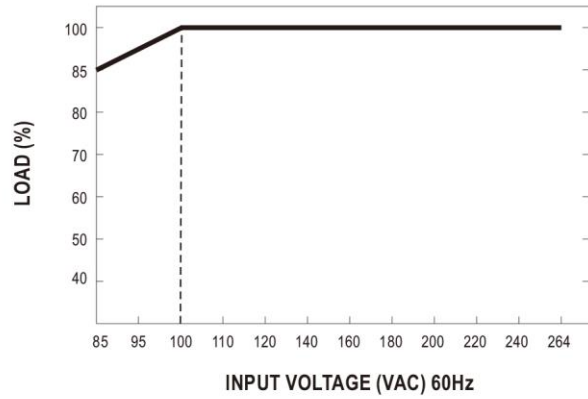
E-Star Power Development Co., Ltd. (E-STAR)
1F, No.40, Juren Ln., Sec. 2, Sanmin Rd., Banciao Dist., New Taipei City
22069, Taiwan (R.O.C.)
Phone : 886-2-2957 5580 Fax : 886-2-2957 7473

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Derating Curve



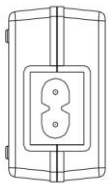
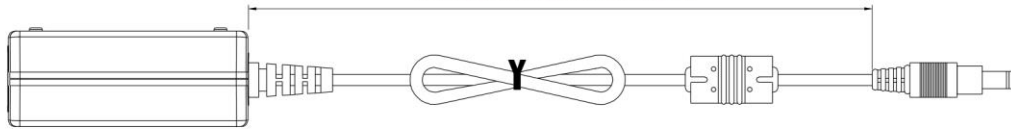
Static Characteristics



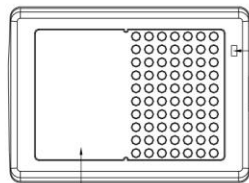
Mechanical Specification

Unit:mm

UL1185 16AWG 1200±50mm for 5~12V
UL1185 18AWG 1800±50mm for 15~48V



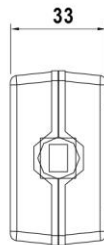
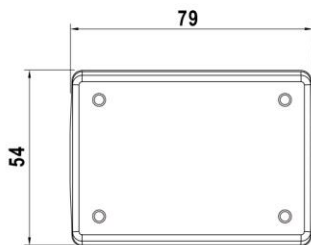
AC Inlet
IEC320-C8



Name Plate

Power LED

70±10mm




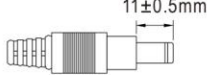





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■ DC output plug

◎ Standard plug: P1J

P1J		Pin Assignment
		
		Outside  Inside



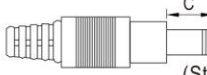


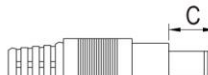


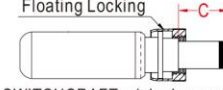
◎ DC plug changeable through:

(1) Customization of the standard part with an optional DC plug according to the table (MOQ applicable)

Example quick adapter accessory:

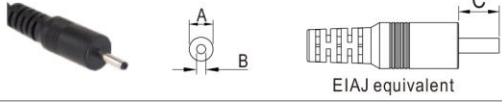
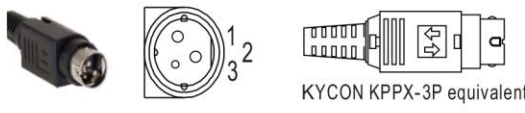
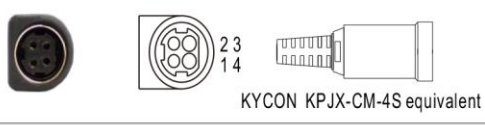

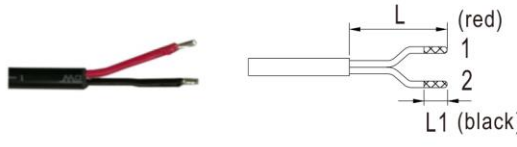


◎ Optional DC plug: (Available in customized cable or quick adapter)

Tuning Fork Style		Type No.	A	B	C	Quick Adapter Accessory		
			OD	ID	L			
		 (Straight)	P1I	5.5	2.1	9.5	Available (Current rating: 7.5A max.)	
			P1L	5.5	2.5	9.5		
			P1M	5.5	2.5	11.0		
			P1IR	5.5	2.1	9.5		
			P1JR	5.5	2.1	11.0		
			P1LR	5.5	2.5	9.5		
	P1MR	5.5	2.5	11.0				
Barrel Style		Type No.	A	B	C	None		
			OD	ID	L			
		 (Straight)	P2I	5.5	2.1		9.5	
			P2J	5.5	2.1		11.0	
			P2L	5.5	2.5		9.5	
			P2M	5.5	2.5		11.0	
			P2IR	5.5	2.1		9.5	
			P2JR	5.5	2.1		11.0	
			P2LR	5.5	2.5		9.5	
			P2MR	5.5	2.5		11.0	
		Lock Style		Type No.	A	B	C	None
					OD	ID	L	
		 Floating Locking SWITCHCRAFT original or equivalent	P2S(S761K)	5.53	2.03	12.06		
			P2K(761K)	5.53	2.54	12.06		
			P2C(S760K)	5.53	2.03	9.52		
			P2D(760K)	5.53	2.54	9.52		



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Min. Pin Style	Type No.	A	B	C	Quick Adapter Accessory	
		OD	ID	L		
 EIAJ equivalent	P3A	2.35	0.7	11.0	Available (Current rating: 5A max.)	
	P3B	4.0	1.7	11.0		
	P3C	4.75	1.7	11.0		
Center Pin Style	Type No.	A	B	C	D	Available (Current rating: 7.5A max.)
 EIAJ equivalent	P4A	5.5	3.4	11.0	1.0	
	P4B	6.5	4.4	11.0	1.4	
	P4C	7.4	5.1	11.0	0.6	
Min. DIN 3 Pin with Lock (male)	Type No.	Pin Assignment		Available (Current rating: 7.5A max.)		
 KYCON KPPX-3P equivalent	R6B	PIN No.	Output			
		1	+Vo			
		2	-Vo			
		3	+Vo			
Min. DIN 4 Pin with Lock (male)	Type No.	Pin Assignment		Available (Current rating: 7.5A max.)		
 KYCON KPPX-4P equivalent	R7B	PIN No.	Output			
		1	+Vo			
		2	-Vo			
		3	-Vo			
		4	+Vo			
Min. DIN 4 Pin with Lock (female)	Type No.	Pin Assignment		None		
 KYCON KPJX-CM-4S equivalent	R7BF	PIN No.	Output			
		1	+Vo			
		2	-Vo			
		3	-Vo			
		4	+Vo			
DIN 5 Pin (male)	Type No.	Pin Assignment		Available (Current rating: 7.5A max.)		
	R1B	PIN No.	Output			
		1	-Vo			
		2	-Vo			
		3	+Vo			
		4	-Vo			
		5	+Vo			
Stripped and tinned leads	Type No.	Pin Assignment		None		
 Length of Land L1 by request (MW's standard length, L: 25 mm, L1: 5 mm)	by customer	PIN No.	Output			
		1	+Vo			
		2	-Vo			