











































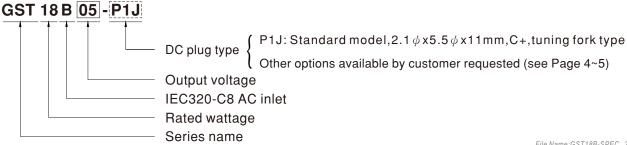
Features

- · 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 $^{\circ}$ C wide range working temperature
- LED indicator for power on
- · Various DC plug quick adapter accessory available (Plug kit sold sperately, please refer to : https://www.meanwell.com/upload/pdf/DC plug.pdf)
- 3 years warranty

Description

GST18B is a highly reliable, 18W desktop style single-output green adaptor series. This product is a class ${
m II}$ 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



Applications

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

GTIN CODE

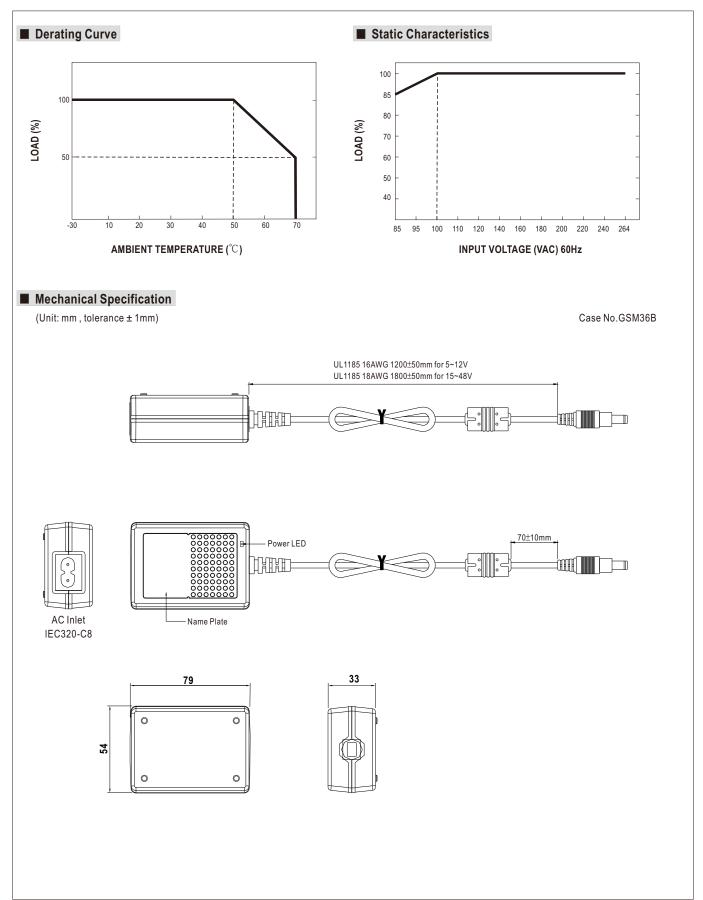
MW Search: https://www.meanwell.com/serviceGTIN.aspx



SPECIFICATION

ORDER NO.		GST18B05-P1J	GST18B07-P1J	GST18B09-P1J	GST18B12-P1J	GST18B15-P1J	GST18B18-P	1J GST18B24-P1J	GST18B28-P1	GST18B48-		
	SAFETY MODEL NO.	GST18B05	GST18B07	GST18B09	GST18B12	GST18B15			GST18B28	GS18B48		
	DC VOLTAGE Note.2		7.5V	9V	12V	15V				48V		
	RATED CURRENT	3.0A	2.0A	2.0A	1.50A	1.20A				0.375A		
	CURRENT RANGE	0 ~ 3.0A	0 ~ 2.0A	0 ~2.0A	0 ~ 1.50A	0 ~ 1.20A				0.375A		
						-						
	RATED POWER (max.)	15W	15W	18W	18W	18W	-			18W		
DUTPUT	RIPPLE & NOISE (max.) Note.3		80mVp-p	80mVp-p	80mVp-p	100mVp-p				150mVp-p		
	VOLTAGE TOLERANCE Note.4	±5.0%	±5.0%	±5.0%	±3.0%	±3.0%		±2.0%	±2.0%	±2.0%		
	LINE REGULATION Note.5	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%		
	LOAD REGULATION Note.6	±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±2.0%	±2.0%	±2.0%		
	SETUP, RISE, HOLD UP TIME	1000ms, 30ms, 50ms/230VAC 1500ms, 30ms, 15ms/115VAC at full load										
	VOLTAGE RANGE Note.7	85 ~ 264VAC										
INPUT	FREQUENCY RANGE	47 ~ 63Hz										
	EFFICIENCY (Typ.)	81%	85%	85%	86%	87%	88%	88%	88.5%	89%		
	AC CURRENT	0.5A / 115VAC	0.3A/2	30VAC								
	INRUSH CURRENT (max.)	Cold start 35A / 115VAC 65A / 230VAC										
	LEAKAGE CURRENT(max.)	0.25mA / 240VAC										
	LLANAGE CONNENT(IIIax.)							SST18B18 GST18B24 GST18B28 8V 24V 28V 28V 0.0A 0.75A 0.64A 0~0.75A 0~0.64A 8W 18W 18W 18W 50mVp-p 150mVp-p 150mVp-p 150mVp-p 15.0% ±2.0% ±2.0% ±2.0% ±2.0% ±2.0% ±3.0% ±2.0% ±2.0% ±3.0% ±2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2				
	OVERLOAD	110 ~ 150% rated output power										
ROTECTION		Protection type: Hiccup mode, recovers automatically after fault condition is removed										
	OVER VOLTAGE	110 ~ 140% rated output voltage										
		,		zener diode, o	utput short		18V					
	WORKING TEMP.		Refer to "Dera					18B18				
PARTIES ALIVE	WORKING HUMIDITY	20% ~ 90% RH non-condensing										
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-40 \sim +85 $^{\circ}$ C, 10 \sim 95% RH non-condensing										
	TEMP. COEFFICIENT	±0.03% /°C	±0.03% / °C (0~50°C)									
	VIBRATION	10 ~ 500Hz, 2	2G 10min./1cyd	cle, period for 6	0min. each ald	ng X, Y, Z axes	3		18B24 GST18B28 28V A			
	SAFETY STANDARDS Note. 8	UL62368-1, CSA C22.2 No.62368-1, TUV BS EN/EN62368-1, BSMI CNS15598-1, CCC GB4943.1, AS/NZS 62368.1, PSE J62368-BIS IS13252, KC K60950-1, EAC TP TC 004 approved										
	WITHSTAND VOLTAGE	I/P-O/P:4242VDC										
	ISOLATION RESISTANCE	I/P-O/P·100M	I Ohms / 500VI	DC / 25°C / 70%	RH							
	1002/110111120101/11102	Parameter		Standard			Too	Al aval / Nata				
SAFETY &	EMC EMISSION	Conducted en	nission	CAN ICES- EAC TP TO	BS EN/EN55032(CISPR32), FCC PART 15 / CISPR22 CAN ICES-3(B)/NMB-3(B), CNS15936, GB17625.1 EAC TP TC 020, MSIP KN32 BS EN/EN55032(CISPR32), FCC PART 15 / CISPR22				Class B			
		Radiated emi		CAN ICES- EAC TP TO	CAN ICES-3(B)/NMB-3(B),CNS15936,GB17625.1 EAC TP TC 020,MSIP KN32				Class B			
EMC		Harmonic cur	rent	BS EN/EN	BS EN/EN61000-3-2,GB9254				Class A			
Note. 9)		Voltage flicker BS EN/EN61000-3-3										
		BS EN/EN55035										
		ESD		_	BS EN/EN61000-4-2							
		RF field susce	eptibility	BS EN/EN	BS EN/EN61000-4-3			Level 2, 3V/m				
		EFT bursts		BS EN/EN	BS EN/EN61000-4-4			Level 2, 1KV				
	EMC IMMUNITY	Surge suscep	tibility	RS FN/FN	BS EN/EN61000-4-5							
		0 1						,				
		Conducted su	. ,		BS EN/EN61000-4-6			, , .				
		Magnetic field	Immunity	BS EN/EN	61000-4-8							
		Voltage dips ,	interruption	BS EN/EN	161000-4-11			>95% dip 0. 5 periods, 30% dip 25 periods >95% interruptions 250 periods				
	MTBF	3879.7K hrs min. Telcordia SR-332 (Bellcore) ; 668.4K hrs min. MIL-HDBK-217F (25°C)										
OTHERS	DIMENSION	79*54*33mm	(L*W*H)									
JIII	PACKING	191.5g; 60pcs/12.5Kg/1.15CUFT										
	PLUG	See page 4~5; Other type available by customer requested										
ONNECTOR	CABLE			•								
IOTE	2.DC voltage: The output volt 3.Ripple & noise are measure 4.Tolerance: includes set up 5.Line regulation is measure 6.Load regulation is measure 7.Derating may be needed ui 8.The power supply is conside EMC directives. For guidan (as available on https://www	See page 4~5; Other type available by customer requested I at 230VAC input, rated load, 25°C 70% RH ambient. age set at point measure by plug terminal & 50% load. ad at 20MHz by using a 12" twisted pair terminated with a 0.1 µ F & 47 µ F capacitor. olerance, line regulation, load regulation. from low line to high line at rated load. ad from 10% to 100% rated load. der low input voltage. Please check the derating curve for more details. ered as an independent unit, but the final equipment still need to re-confirm that the whole system complies with the co-on how to perform these EMC tests, please refer to "EMI testing of component power supplies." Ameanwell.com//Upload/PDF/EMI_statement_en.pdf)										

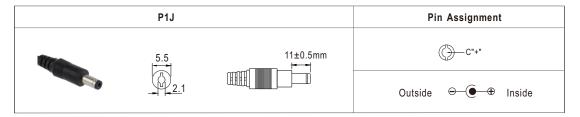






■ DC output plug

O Standard plug: P1J



O DC plug changeable through:

- (1) Customization of the standard part with an optional DC plug according to the table (MOQ applicable)
- (2) Quick adapter accessory (sold separately without MOQ)

Please refer to below table and online selection guide: https://www.meanwell.com/upload/pdf/DC_plug.pdf

Example quick adapter accessory:



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

Tunin	Type No.	А	В	С	Quick Adapter	
Turni		OD	ID	L	Accessory	
	C -	P1I	5.5	2.1	9.5	
		P1L	5.5	2.5	9.5	
A A	(Straight)	P1M	5.5	2.5	11.0	Available
	C	P1IR	5.5	2.1	9.5	(Current rating: 7.5A max.)
		P1JR	5.5	2.1	11.0	(Ourrentrating, 7.5Amax.)
	(Dight angled	P1LR	5.5	2.5	9.5	
	(Right-angled	P1MR	5.5	2.5	11.0	
Ва	Type No.	Α	В	С		
Da		OD	ID	L		
	, C ,	P2I	5.5	2.1	9.5	
		P2J	5.5	2.1	11.0	
Δ.		P2L	5.5	2.5	9.5	None
	(Straight	P2M	5.5	2.5	11.0	None
	C	P2IR	5.5	2.1	9.5	
		P2JR	5.5	2.1	11.0	
	F . 3	P2LR	5.5	2.5	9.5	
	(Right-angled)	P2MR	5.5	2.5	11.0	
	Type No.	Α	В	С		
Lo	туретчо.	OD	ID	L		
A	Floating Locking C	P2S(S761K)	5.53	2.03	12.06	None
		P2K(761K)	5.53	2.54	12.06	INOTIC
	3	P2C(S760K)	5.53	2.03	9.52	
	SWITCHCRAFT original or equivalen	P2D(760K)	5.53	2.54	9.52	



Min. Pin Style	Type No.	A B			С	Quick Adapter Accessory	
, <u>C</u> _	P3A	OD ID 2.35 0.7			11.0	Accessory	
—————————————————————————————————————	P3B			1.7	11.0	Available (Current rating: 5A max.)	
EIAJ equivalent	P3C				11.0		
		Α Α	В	C	D		
Center Pin Style	Type No.	OD	ID	L	Center Pin		
A-I I-C-I	P4A	5.5	3.4	11.0	1.0	Available (Current rating: 7.5A max	
	P4B	6.5	4.4	11.0	1.4	(Ourientrating, 7.5Amax.)	
EIAJ equivalent	P4C	7.4	5.1	11.0	0.6		
Min. DIN 3 Pin with Lock (male)	Type No.	Pin Assignment					
Willi. Dilv 31 ili witti Lock (iliale)	Type No.	PIN No. Output			l		
	R6B	1		+Vo		Available	
		2		-Vo +Vo		(Current rating: 7.5A max.)	
KYCON KPPX-3P equivalent		3					
Min DIN 4 Din with Look (male)	Type No.	Pin Assignment					
Min. DIN 4 Pin with Lock (male)		PIN No).	Output		Available (Current rating: 7.5A max.)	
	R7B	1		+Vo			
		2		-Vo			
KYCON KPPX-4P equivalent		3		-Vo			
			4 +Vo				
Min. DIN 4 Pin with Lock (female)	Type No.	Pin Assignment PIN No. Output			-		
	R7BF	1 +V0		1			
23 ruuuuu		2		-Vo		None	
2 3 14 14 111111111111111111111111111111		3					
KYCON KPJX-CM-4S equivalent		4	4 +Vo				
DIN 5 Pin (male)	Type No.	Pin Assignment					
Birror in (maio)	турстто.	PIN No. Output					
	R1B	1		-Vo		Available (Current rating: 7.5A max.)	
		3		-Vo			
		4		+Vo -Vo +Vo			
		5					
		Pin Assignment					
Stripped and tinned leads	Type No.	Type No. PIN No. Outpu					
L (red) 1 2 L1 (black)	by customer	1		+Vo		None	
Length of Land L1 by request (MW's standard length, L: <u>25</u> mm, L1: <u>5</u> mm) (NOTE: The wire color is for reference only, please refer to the actual product)		2		-Vo		INOTIO	

■ Installation Manual

Please refer to : http://www.meanwell.com/manual.html