



















Applications

· Office facilities

· Industrial equipments



· Consumer electronic devices

· Telecommunication devices







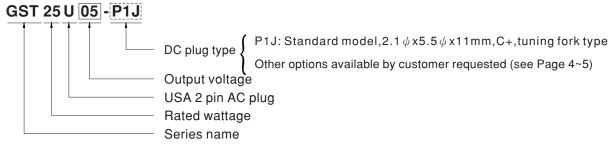
#### Features

- · Global certificates
- · Universal AC input / Full range
- · 2 pole USA plug, Class II power unit
- No load power consumption < 0.075W</li>
- · Energy efficiency Level VI
- Comply with EISA 2007/DoE and NRCan
- · 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
   (Plug kit sold sperately, please refer to : <a href="https://www.meanwell.com/upload/pdf/DC">https://www.meanwell.com/upload/pdf/DC</a> plug.pdf)
- 3 years warranty

## Description

GST25U is a highly reliable, 25W wall-mounted style single-output green adaptor series. This product is a class II power unit (no FG), equipped with a 2-Pin standard USA AC power plug, 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, GST25U is compliant with USA EISA 2007/DoE and Canada NRCan. 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. GST25U is certified for the international safety regulations.

# ■ Model Encoding



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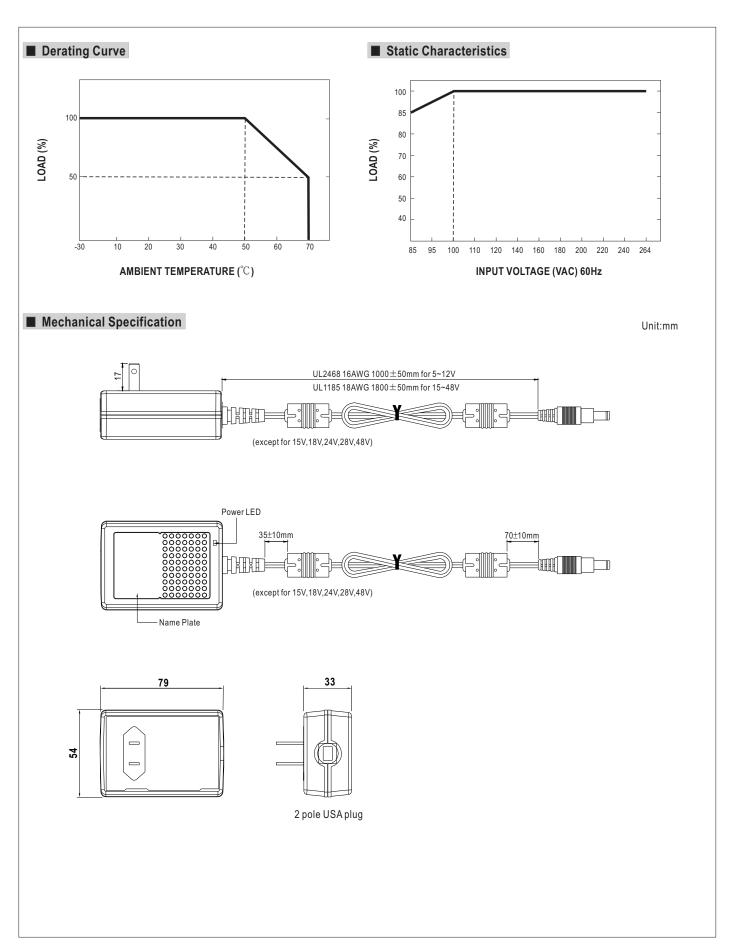
### **SPECIFICATION**

ORDER NO.		GST25U05-P1J	GST25U07-P1J	GST25U09-P	J GST25U12-P1J	GST25U15-P1J	GST25U18-P1J	GST25U24-P1J	GST25U28-P1J	GST25U48-P1J		
	SAFETY MODEL NO.	GST25U05	GST25U07	GST25U09	GST25U12	GST25U15	GST25U18	GST25U24	GST25U28	GST25U48		
ОИТРИТ	DC VOLTAGE Note.2	5V	7.5V	9V	12V	15V	18V	24V	28V	48V		
	RATED CURRENT	4.0A	2.93A	2.55A	2.08A	1.66A	1.38A	1.04A	0.89A	0.52A		
	CURRENT RANGE	0 ~ 4.0A	0 ~ 2.93A	0 ~ 2.55A	0 ~ 2.08A	0 ~ 1.66A	0 ~ 1.38A	0 ~ 1.04A	0 ~ 0.89A	0 ~ 0.52A		
	RATED POWER (max.)	20W	22W	23W	25W	25W	25W	25W	25W	25W		
	RIPPLE & NOISE (max.) Note.3	80mVp-p	80mVp-p	80mVp-p	80mVp-p	100mVp-p	100mVp-p	150mVp-p	150mVp-p	150mVp-p		
	VOLTAGE TOLERANCE Note.4		±5.0%	±5.0%	±3.0%	±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%		
	LOAD REGULATION Note.6		±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±2.0%	±2.0%	±2.0%		
	SETUP, RISE, HOLD UP TIME		s, 50ms/230VA		ms, 30ms, 15ms							
	VOLTAGE RANGE Note.7											
	FREQUENCY RANGE	47 ~ 63Hz										
	EFFICIENCY (Typ.)	81.5%	84.5%	85%	86.5%	87%	87%	88%	88%	89%		
INPUT	AC CURRENT	0.6A / 115VAC	0.35A/2	230VAC								
		Cold start 35A / 115VAC 65A / 230VAC										
	LEAKAGE CURRENT(max.)	0.25mA / 240VAC										
PROTECTION	, ,	110 ~ 150% rated output power										
	OVERLOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed										
		110 ~ 140% rated output voltage										
	OVER VOLTAGE	Protection type : Clamp by zener diode										
	WORKING TEMP.	-30 ~ +70°C (Refer to "Derating Curve")										
	WORKING HUMIDITY	20% ~ 90% RH non-condensing										
ENVIRONMENT	STORAGE TEMP., HUMIDITY	$-40 \sim +85^{\circ}\text{C}$ , $10 \sim 95\%$ RH non-condensing										
	TEMP. COEFFICIENT	±0.03% / °C (0~50°C)										
	VIBRATION	10 ~ 500Hz, 2	2G 10min./1cyd	cle, period for	60min. each ald	ng X, Y, Z axes	1					
	SAFETY STANDARDS	UL62368-1, CSA C22.2 No. 62368-1, BSMI CNS14336-1, EAC TP TC 004 approved										
	WITHSTAND VOLTAGE	I/P-O/P:4242VDC										
SAFETY &	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH										
EMC	EMC EMISSION	Parameter		Stan	dard		Test Le	est Level / Note				
(Note. 8)		Conducted 6	emission		FCC PART 15 / CISPR22, CAN ICES-3(B)/NMB-3(B) Class B CNS13438, EAC TP TC 020							
		Radiated en	nission		FCC PART 15 / CISPR22, CAN ICES-3(B)/NMB-3(B) Class B CNS13438, EAC TP TC 020							
	MTBF	500Khrs min. MIL-HDBK-217F(25°C)										
OTHERS	DIMENSION	79*54*33mm	,									
	PACKING	198g; 60pcs/12.9Kg/1.15CUFT										
CONNECTOR	PLUG	See page 4~5; Other type available by customer requested										
OOMMEDION	CABLE	See page 4~5; Other type available by customer requested										
NOTE	2.DC voltage: The output volt: 3.Ripple & noise are measure 4.Tolerance: includes set up to 5.Line regulation is measured 6.Load regulation is measured 7.Derating may be needed un 8.The power supply is consider EMC directives. For guidance (as available on http://www.	cified at 115VAC input, rated load, 25°C 70% RH ambient.  t voltage set at point measure by plug terminal & 50% load.  asured at 20MHz by using a 12" twisted pair terminated with a 0.1 µf & 47 µf capacitor.  t up tolerance, line regulation, load regulation.  sured from low line to high line at rated load.  sured from 10% to 100% rated load.  ed under low input voltage. Please check the derating curve for more details.  onsidered as an independent unit, but the final equipment still need to re-confirm that the whole system complies with the  idance on how to perform these EMC tests, please refer to "EMI testing of component power supplies."  www.meanwell.com) imer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx										

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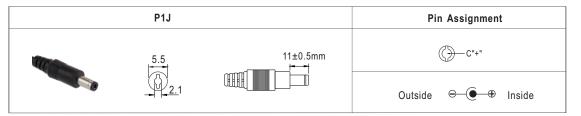


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### ■ DC output plug

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: <a href="https://www.meanwell.com/upload/pdf/DC\_plug.pdf">https://www.meanwell.com/upload/pdf/DC\_plug.pdf</a>

Example quick adapter accessory:



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

Tuning Fork Style			Type No.	А	В	С	Quick Adapter	
				OD	ID	L	Accessory	
		-C	P1I	5.5	2.1	9.5		
	A B	(Straight)	P1L	5.5	2.5	9.5		
Welling			P1M	5.5	2.5	11.0	Available	
			P1IR	5.5	2.1	9.5	(Current rating: 7.5A max.)	
			P1JR	5.5	2.1	11.0	(Current fatting, 7.5A max.)	
			P1LR	5.5	2.5	9.5		
		(Right-angled)	P1MR	5.5	2.5	11.0		
Barrel Style			Type No.	Α	В	С		
				OD	ID	L		
	A B	(Straight)  (Right-angled)	P2I	5.5	2.1	9.5		
			P2J	5.5	2.1	11.0		
-			P2L	5.5	2.5	9.5	None	
			P2M	5.5	2.5	11.0	110110	
			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.	Α	В	С		
			Type No.	OD	ID	L		
	A	Floating Locking C	P2S(S761K)	5.53	2.03	12.06	None	
			P2K(761K)	5.53	2.54	12.06	140110	
			P2C(S760K)	5.53	2.03	9.52		
		SWITCHCRAFT original or equivalent	P2D(760K)	5.53	2.54	9.52		

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Min. Pin Style								
P3A   2.35   0.7   11.0   Available   Current rating: 5A nex.	Min. Pin Style	Type No.				C		
P3B		DOA					Accessory	
P3C   4.75   1.7   11.0	A (HARHEI)	-					Available	
Type No.							(Current rating: 5A max.)	
Center Pin Style	EIAJ equivalent	P3C						
P4A   5.5   3.4   11.0   1.0   1.0   P4B   6.5   4.4   11.0   1.4   1.0   1.4   P4C   7.4   5.1   11.0   0.6   P1N Assignment   P1N No.   Output   1	Center Pin Style	Type No.					1	
P4B   6.5   4.4   11.0   1.4	A. C	ΡΔΑ					Available	
P4C   7.4   5.1   11.0   0.6							(Current rating: 7.5A max.)	
Min. DIN 3 Pin with Lock (male)  Type No.  Pin Assignment PIN No. Output  1 +Vo  R6B 2 -Vo  3 +Vo  Pin Assignment PIN No. Output  Available (Current rating: 7.5A max.)  Pin Assignment PIN No. Output  1 +Vo  Available (Current rating: 7.5A max.)  Pin Assignment PIN No. Output  Type No.  Pin Assignment PIN No. Output  Available (Current rating: 7.5A max.)  Available (Current rating: 7.5A max.)  Pin Assignment PIN No. Output  Type No.  Pin Assignment PIN No. Output  1 +Vo  None  R7BF 2 -Vo  R7BF 3 -Vo  Fin Assignment PIN No. Output  1 +Vo  None  Pin Assignment PIN No. Output  1 -Vo  Available (Current rating: 7.5A max.)  None  Stripped and tinned leads  Type No.  Pin Assignment PIN No. Output  1 -Vo  2 -Vo  5 +Vo  Pin Assignment PIN No. Output  1 -Vo  2 -Vo  Stripped and tinned leads  Type No.  Pin Assignment PIN No. Output  1 -Vo  2 -Vo  5 +Vo  Pin Assignment PIN No. Output  1 -Vo  2 -Vo  5 +Vo  Pin Assignment PIN No. Output  1 -Vo  2 -Vo  5 +Vo  None  Available (Current rating: 7.5A max.)								
Min. DIN 4 Pin with Lock (male)  Min. DIN 4 Pin with Lock (female)  Min. DIN 4 Pin with Lock (female)  Min. DIN 4 Pin with Lock (female)  Min. DIN 5 Pin (male)  Type No.  Pin Assignment Pin No. Pin Assignment Pin No. Pin Assignment Pin No. Pin Assignment Pin No. Pin Assignment Pin No. Pin Assignment Pin No. Pin Assignment Pin No. Pin Assignment Pin No. Pin Assignment Pin No. Pin Assignment Pin No. Pin Assignment Pin No. Pin Assignment Pin No. Pin Assignment Pin No. Pin Assignment Pin No. Pin Assignment Pin No. Output  Available (Current rating: 7.5A max.)  None  R7BF  R1B  R1B  Available (Current rating: 7.5A max.)  Available (Current rating: 7.5A max.)  None  Available (Current rating: 7.5A max.)  Available (Current rating: 7.5A max.)	EIAJ equivalent	P40	<b>V</b> 11 1111 111					
Available (Current rating: 7.5A max.)  Min. DIN 4 Pin with Lock (male)  Type No.  Pin Assignment PIN No. Output  4 +Vo  Available (Current rating: 7.5A max.)  Pin No. Output  4 +Vo  Pin Assignment PIN No. Output  1 +Vo  Available (Current rating: 7.5A max.)  Pin No. Output  1 +Vo  Available (Current rating: 7.5A max.)  Pin No. Output  1 +Vo  None  Pin Assignment PIN No. Output  1 +Vo  Pin Assignment PIN No. Output  1 +Vo  Available (Current rating: 7.5A max.)  Pin No. Output  1 +Vo  Available (Current rating: 7.5A max.)  None  Stripped and tinned leads  Type No.  Pin Assignment PIN No. Output  1 -Vo  Available (Current rating: 7.5A max.)  None  Available (Current rating: 7.5A max.)  None  Pin Assignment Pin No. Output  1 -Vo  Available (Current rating: 7.5A max.)	Min. DIN 3 Pin with Lock (male)	Type No.						
R6B  2 -Vo 3 +Vo  Min. DIN 4 Pin with Lock (male)  Type No.  Pin Assignment PIN No. Output  4 +Vo  Min. DIN 4 Pin with Lock (female)  Type No.  Min. DIN 4 Pin with Lock (female)  Type No.  Pin Assignment PIN No. Output  4 +Vo  None  R7B  R7B  R7B  R7B  R7B  R7B  R7B  R7					•		Available	
Min. DIN 4 Pin with Lock (male)   Type No.   Pin Assignment   PIN No.   Output   Available (Current rating: 7.5A max.)		DED	· •	-Vo				
Min. DIN 4 Pin with Lock (male)  Type No.  Pin Assignment PIN No. Output  4 +Vo  Available (Current rating: 7.5A max.)  Pin Assignment PIN No. Output  4 +Vo  Pin Assignment PIN No. Output  1 +Vo  R7BF  2 -Vo  3 -Vo  4 +Vo  Pin Assignment PIN No. Output  1 +Vo  None  Pin Assignment PIN No. Output  1 -Vo  Available (Current rating: 7.5A max.)  R7BF  2 -Vo  R7BF  3 -Vo  4 +Vo  Pin Assignment PIN No. Output  Pin No. Output  1 -Vo  Available (Current rating: 7.5A max.)	32	K0D	-					
Min. DIN 4 Pin with Lock (male)  R7B  R7B  1 +Vo  Available (Current rating: 7.5A max.)  R7B  Min. DIN 4 Pin with Lock (female)  Type No.  Pin Assignment PIN No. Output  1 +Vo  None  R7BF  R7B  R7B	KTOON IT A ST EQUIVAIGHT							
Available (Current rating: 7.5A max.)    Available (Current rating: 7.5A max.)	Min. DIN 4 Pin with Lock (male)	Type No.						
R7B   2			_	).	•			
None   Stripped and tinned leads   Stripped and tinned leads   Length of Land L1 by request   Stripped   Stripped and tinned leads   Stripped and tinned leads   Stripped and tinned L1 by request   Stripped   Stripped and tinned leads   Stripped and tinned L1 by request   Stripped and tinned leads   Stripped and tinned L1 by request   Stripped and tinned L2	2 3	D7D			-			
Min. DIN 4 Pin with Lock (female)  Type No.  Pin Assignment PIN No. Output  1 +Vo  3 -Vo  4 +Vo  Type No.  Pin Assignment PIN No. Output  Pin Assignment PIN No. Output  1 -Vo  4 -Vo  5 +Vo  Stripped and tinned leads  Type No.  Pin Assignment PIN No. Output  4 -Vo  5 +Vo  Pin Assignment PIN No. Output  4 -Vo  5 +Vo  Type No.  Pin Assignment PIN No. Output  4 -Vo  5 +Vo  None  None  None		R7B						
Min. DIN 4 Pin with Lock (female)    Pin No.   Output	KYCON KPPX-4P equivalent		4		+V <sub>0</sub>			
R7BF R7BF R7BF R7BF R7BF R7BF R7BF R7BF	Min DIN 4 Din with Look (famala)	Type No.	Pin Assignment					
R7BF  R7BF  2 -Vo 3 -Vo 4 +Vo  Pin Assignment PIN No. Output  1 -Vo 2 -Vo Available (Current rating: 7.5A max.)  Stripped and tinned leads  Type No.  Pin Assignment PIN No. Output  1 -Vo 2 -Vo 5 +Vo Pin Assignment PIN No. Output  1 +Vo 4 -Vo 5 +Vo Type No.  Pin Assignment PIN No. Output  1 +Vo None  None  None  None	Will. DIN 4 PIII WILL LOCK (Telliale)		PIN No. Output					
R7BF   2		R7BF	•	-		None		
KYCON KPJX-CM-4S equivalent  DIN 5 Pin (male)  Type No.  Pin Assignment PIN No. Output  1 -Vo 2 -Vo 4 -Vo 5 +Vo  Stripped and tinned leads  Type No.  Pin Assignment PIN No. Output  1 -Vo 4 -Vo 5 +Vo  Pin Assignment PIN No. Output  Pin Assignment PIN No. Output  1 +Vo None  None	23 100000							
DIN 5 Pin (male)  Type No.  Pin Assignment PIN No. Output  1 -Vo 2 -Vo 5 +Vo Fin Assignment PIN No. Output  1 -Vo 4 -Vo 5 +Vo Fin Assignment PIN No. Output  1 +Vo None  Length of Land L1 by request  2 -Vo  5 -Vo  1 -Vo 5 -Vo  1 -Vo  7 -Vo  8 -Vo  9 -Vo  None								
PIN No. Output  1 -Vo  2 -Vo  4 -Vo  5 +Vo  Stripped and tinned leads  Type No. Pin Assignment PIN No. Output  1 +Vo  None  Length of Land L1 by request  2 -Vo  5 +Vo  Pin Assignment PIN No. Output  1 +Vo  None	RTOON REDA-GWI-43 equivalent							
R1B    1	DIN 5 Pin (male)	Type No.						
R1B  2 -Vo 3 +Vo 4 -Vo 5 +Vo  Stripped and tinned leads  Type No.  Pin Assignment PIN No. Output  1 +Vo  None  Length of Land L1 by request  2 -Vo  None				,				
R1B  3 +Vo 4Vo 5 +Vo  Stripped and tinned leads  Type No.  Pin Assignment PIN No. Output  1 +Vo  None  Length of Land L1 by request  2Vo		R1B	· ·					
Stripped and tinned leads  Type No.  Pin Assignment PIN No. Output  1 +Vo None  Length of Land L1 by request  2 -Vo							(Current rating: 7.5A max.)	
Stripped and tinned leads  Type No.  Pin Assignment PIN No. Output  1 +Vo None  Length of Land L1 by request  2 -Vo	0 5 0		4		-Vo			
Stripped and tinned leads  Type No.  PIN No.  Output  1 +Vo  None  Length of Land L1 by request  2 -Vo			-					
Length of Land L1 by request  PIN No. Output  1 +Vo  None	Stripped and tinned leads	Type No.	,					
Length of Land L1 by request  1 +Vo  None  1 -Vo	Stripped and timod loads		PIN No	).	Output			
Length of Land L1 by request 2 -Vo		by customer	1		+Vo		None	
	L1 (black)				-Vo			
			2					

