

DT Reliable Green Switch Mode Powersupply (Desktop)

Product Range

GS1201DT-VDE	Powersupply, Desktop, Output 12VDC 1A, SANS IEC60950
GS1202DT-VDE	Powersupply, Desktop, Output 12VDC 2A SANS IEC60950
GS1203DT-VDE	Powersupply, Desktop, Output 12VDC 3A SANS IEC60950
GS1204DT-VDE	Powersupply, Desktop, Output 12VDC 4A SANS IEC60950
GS1205DT-SA	Powersupply, Desktop, Output 12VDC SA 5A SA Power Cord, SANS, IEC60950
GS1205DT-VDE	Powersupply, Desktop, Output 12VDC 5A SANS IEC60950
GS14035DT-SA	Powersupply, Desktop, Output 14VDC 3.5A, C14, SA Plug, DC O/P stripped, SANS, IEC60950
GS14035DT-UK	Powersupply, Desktop, Output 14VDC 3.5A, C14, UK Plug, DC O/P stripped, SANS, IEC60950
GS1208DT-SA	Powersupply Desktop, O/P 12VDC 8A 96W, C14, O/P Plug 2.5x5.5x11mm, 1.4M, WITH SA plug, SANS IEC60950

Features

- Global Certificates.
- Universal AC Input/ Full Range.
- 2 Pole VDE Inlet.
- 3 Pole AC Inlet IEC320-C14 Class I power unit (C14).
- No load Power consumption <0.075W.
- Energy Efficiency level VI.
- Protections: Short Circuit/Overload/Over voltage.
- Fully Enclosed Plastic Case.
- -30 ~ +70°C working temperature.
- LED Indicator for Power Status.

Applications

- Consumer electronic devices
- Telecommunication devices
- Office facilities
- Industrial Equipment, Security and IOT Devices



Description

GS is a highly reliable desktop style single output green adapter series. The entire series supplies different models with output voltages ranging between 12VDC and 5VDC that can satisfy the demands of various types of consumer electronic devices. With an efficiency of up to 89% and an extremely low no-load power consumption below 0.075W. The entire series utilises the 94V-0 flame retardant plastic case.


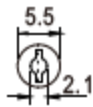
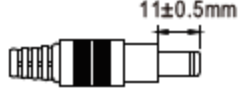
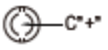

Specification

Output	Model No	GS1201DT-VDE	GS1202DT-VDE	GS1203DT-VDE	GS1204DT-VDE	GS1205DT-VDE	GS1205DT-SA
	DC Voltage	12VDC	12VDC	12VDC	12VDC	12VDC	12VDC
	Rated Current	1A	2A	3A	4A	5A	5A
	Rated Power	12W	24W	36W	48W	60W	60W
	Ripple & Noise	80mVp-p	80mVp-p	80mVp-p	80mVp-p	80mVp-p	80mVp-p
	Voltage Tolerance	+3%	+3%	+3%	+3%	+3%	+3%
Input	Voltage Range	100-240V	100-240V	100-240V	100-240V	100-240V	100-240V
	Frequency Range	47-63 Hz	47-63 Hz	47-63 Hz	47-63 Hz	47-63 Hz	47-63 Hz
	Efficiency	86%	86%	86%	86%	86%	86%
Protection	Overload	110 ~ 150% rated output power					
	Over Voltage	Protection type : Hiccup mode, recovers automatically after fault condition is removed					
	Working Temp	-30 ~ +70°C (Refer to "Derating Curve")					
Environment	Working Humidity	20% ~ 90% RH non-condensing					
	Safety Standards	SANS/IEC60950, CCC GB4943.1					
Safety & EMC		Parameter	Standard		Test Level / Note		
	EMC Emission	Conducted Emission	EN55032		Class B		
		Radiated Emission	EN5503238,GB17625.1		Class B		

		Harmonic current	EN61000-3-2,GB9254	Class A	
		Voltage Flicker	EN 61000-3-3	-----	
	EMC Immunity	Parameter	Standard	Test Level / Note	
		ESD	EN61000-4-2	Level 3, 8KV air; Level 2, 4KV contact	
		RF field susceptibility	EN 61000-4-3	Level 2, 3V/m	
		EFT bursts	EN 61000-4-4	Level 2, 1KV	
		Surge susceptibility	EN61000-4-5	Level 3, 1KV/Line-Line , 2KV/Line-FG	
		Conducted susceptibility	EN 61000-4-6	Level 2, 3V	
		Magnetic field immunity	EN61000-4-8	Level 2, 3A/m	
		Voltage dips , interruption	EN61000-4-11	> 95% dip 0.5 periods, 30% dip 25 periods, > 95% interruptions 250 periods	
	Model No	GS1208DT-SA	GS14035DT-SA	GS14035DT-UK	
	DC Voltage	12V	14VDC	14VDC	
	Rated Current	8A	3.5A	3.5A	
	Rated Power	96W	50W	50W	
	Ripple & Noise	80mVp-p	80mVp-p	80mVp-p	
	Voltage Tolerance	+3%	+3%	+3%	
	Input	Voltage Range	100-240V	100-240V	100-240V
		Frequency Range	47-63 Hz		
		Efficiency	86%		
Protection	Overload	110 ~ 150% rated output power			
	Over Voltage	Protection type : Hiccup mode, recovers automatically after fault condition is removed			

Environment	Working Temp	-30 ~ +70°C (Refer to "Derating Curve")		
	Working Humidity	-30 ~ +70°C (Refer to "Derating Curve")		
Safety & EMC	Safety Standards	SANS/IEC 60950, CCC GB4943.1		
	EMC Emission	Parameter	Standard	Test Level / Note
		Conducted emission	EN55032	Class B
		Radiated emission	EN55032	Class B
		Harmonic current	EN61000-3-2,GB9254	Class A
		Voltage flicker	EN 61000-3-3	-----
	EMC Immunity	Parameter	Standard	Test Level / Note
		ESD	EN61000-4-2	Level 3, 8KV air; Level 2, 4KV contact
		RF field susceptibility	EN 61000-4-3	Level 2, 3V/m
		EFT bursts	EN 61000-4-4	Level 2, 1KV
Surge susceptibility		EN61000-4-5	Level 3, 1KV/Line-Line , 2KV/Line-FG	
Conducted susceptibility		EN 61000-4-6	Level 2, 3V	
Magnetic field immunity		EN61000-4-8	Level 2, 3A/m	
Voltage dips , interruption		EN61000-4-11	> 95% dip 0.5 periods, 30% dip 25 periods, > 95% interruptions 250 periods	

DC Output Plug

P1J		Pin Assignment
		
		 C*+* Outside  Inside -V not connected to AC FG(standard) -V connected to AC FG(optional)



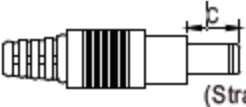
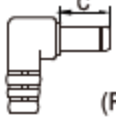



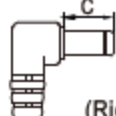


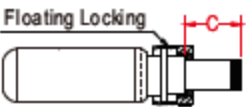
DC Plug Changeable through:


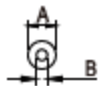


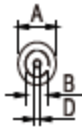
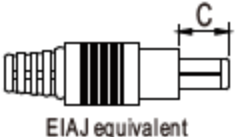
- Customization of the standard part with an optional DC plug according to the table.
- Quick adapter accessory

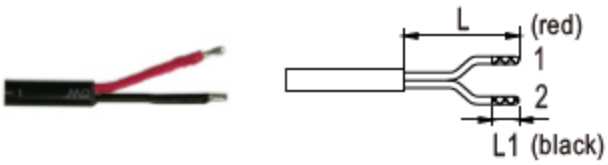
Example quick adapter accessory:



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

Tuning Fork Style		Type No.	A	B	C
			OD	ID	L
 	 (Straight)	P1I	5.5	2.1	9.5
		P1L	5.5	2.5	9.5
		P1M	5.5	2.5	11.0
	 (Right-angled)	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
			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
	 (Right-angled)	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
			OD	ID	L
   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

Min. Pin Style		Type No.	A	B	C	
			OD	ID	L	
  	P3A	2.35	0.7	11.0		
		P3B	4.0	1.7	11.0	
		P3C	4.75	1.7	11.0	
Center Pin Style		Type No.	A	B	C	D
			OD	ID	L	Center Pin
  	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

Stripped and tinned leads	Type No.	Pin Assignment	
		PIN No.	Output
 <p>Length of Land L1 by request (MW's standard length, L: 25 mm, L1: 5 mm)</p>	by customer	1	+Vo
		2	-Vo