

TECHNICAL SPECIFICATIONS:		
Cat. No.:	24AS244D6D	24AS126D6D
INPUT CHARACTERISTICS:		
Supply Voltage ㏐	230 VAC	
Supply Voltage Tolerance	-30 % to +15 % of ㏐	
Frequency	50/60 Hz (± 3 Hz)	
AC Input Current (Max.)	1.2 A	1 A
Consumption Without Load	0.5 W Max.	
Inrush Current (Typ)	50 A Peak at cold start	
OUTPUT CHARACTERISTICS:		
DC Voltage	24 V (Single Output)	12 V (Single Output)
Output Indication	Green LED ON	
Current Range	0 to 4A	0 to 6A
Rated Power	96 W	72 W
Load Regulation	±1 %	
Line Regulation	±1 %	
Output Voltage Accuracy	±1 %	
Start Up Time	<0.5 Sec (At minimum specified input voltage and rated load)	
Hold UP Time	> 20 ms	> 30 ms
Ripple & Noise (max).	<150 mVp-p ^{*2}	<100 mVp-p ^{*2}
Efficiency (typical)	87 % ^{*3}	84.0 % ^{*3}
Short term overload Capacity	125 ~160 % ^{*4}	105 ~ 135 % ^{*4}
PROTECTIONS :		
Over Voltage	<175% of rated output voltage at full load in-case of feedback open/any other fault conditions only	
	Protection Type: Hiccup mode ^{*7} , Auto recover.	
Short Circuit	Hiccup mode & Auto Recover after removal of short.	
Internal Input Fuse	4A / 250 V	
AMBIENT CONDITIONS		
Operating Temperature	-10° C to + 55° C	
Storage Temperature	-25° C to + 85° C	
Relative Humidity	5 to 95 % (Non-Condensing)	
Operating Positions	Vertical & Horizontal on Top	
Degree of Protection	IP 30 (Enclosure); IP 20 (Terminals).	
Pollution Degree	II	
OTHERS		
Enclosure	Flame Retardant UL94-V0	
Mounting	Base / Din-Rail	
Dimensions (W X H X D)	105 x 90x 58 (in mm)	
Weight (unpacked)	350 gm	
Cooling Method	Convection	
MTBF [IEC 62380]	Min. 1263015 Hours	

SWITCHED MODE POWER SUPPLY

SERIES : SMPS

Cat. No.:

24AS244D6D
24AS126D6D



FEATURES:

- 1.Wide input voltage range
- 2.Excellent load & line regulation
- 3.No load Power consumption of 0.5W max.
- 4.Output over voltage & Short circuit protection
- 5.High noise Immunity & Low ripple
- 6.High efficiency of Operation
- 7.Suitable for operating temperature up to 55° C
- 8.Finger safe terminals
- 9.DIN- rail as well as base mounting facility

NOTE:

- 1.All parameters, not specially mentioned are measured at 230 VAC input, rated load and 25° C of ambient temperature
- *2.Ripple & noise are measured at 20 MHz of oscilloscope band width with shortest length of probe terminals
- *3.The efficiencies are measured at nominal input voltage (230 VAC) by connecting rated load at 25° C ambient temperature
- *4.It is not recommended to operate the power supply at this load for more than 5 sec.
- 5.The power supply shall not be used to charge batteries
- 6.In case of No-load & light loads (~10%) an audible noise may be heard which is not harmful
- *7.The output shuts down and Automatically attempts to restart

NOTE : Product innovation being a continuous process, we reserve the right to alter specifications without any prior notice.

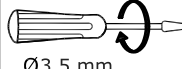
SWITCHED MODE POWER SUPPLY

SERIES : SMPS

GIC introduces a range of Din-rail/Base mountable, Single Phase Switching Power Supplies available in ratings of 12VDC, 72W & 24VDC, 96W

Features like high output accuracy with superior load & line regulations, with an input voltage range from 160 to 265 VAC, makes these power supplies an ultimate choice for any industrial application.

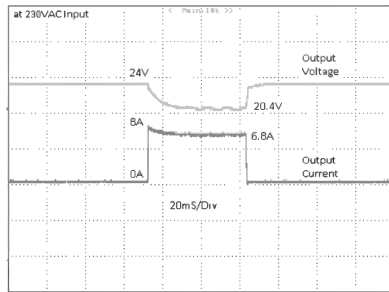
TERMINAL DETAILS:

	Torque 0.4 N.m(3.54 Lb.in)
	1 x 2.5 mm ² Solid Wire/Stranded
AWG	1 x 24 to 12

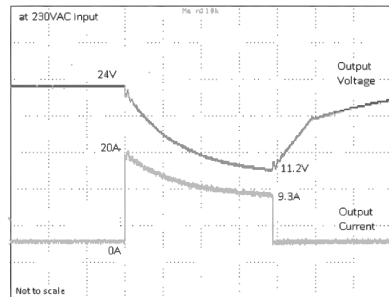
Use Cu wire of 75°C only.

PEAK CURRENT CAPABILITY:

Cat No : 24AS244D6D: for 24 V, 96 W

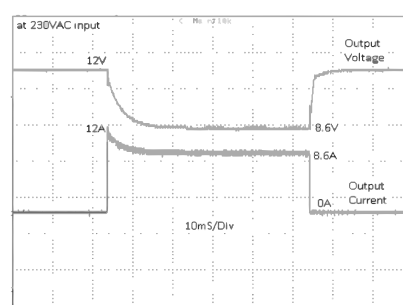


Peak load 8A(resistive) for 50ms
Output voltage dips from 24V to 20.4V

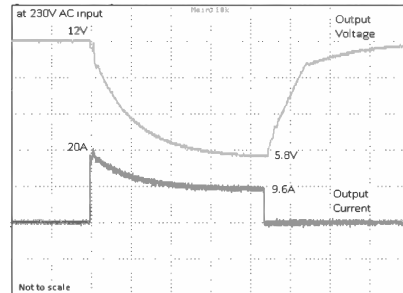


Peak load 20A (resistive) for 5 ms
Output voltage dips from 24V to 11.2V

Cat No : 24AS126D6D: for 12 V, 72 W



Peak load 12A (resistive) for 50ms
Output voltage dips from 12V to 8.6V



Peak load 20A (resistive) for 5 ms
Output voltage dips from 12V to 5.8V

EMI / EMC:

Harmonic Current Emissions	IEC 61000-3-2	Class A
ESD	IEC 61000-4-2	Level II
Radiated Susceptibility	IEC 61000-4-3	Level III Criteria A
Electrical Fast Transient	IEC 61000-4-4	Level IV
Surge	IEC 61000-4-5	Level IV
Conducted Susceptibility	IEC 61000-4-6	Level III Criteria A
Voltage Dips & Interruptions (AC)	IEC 61000-4-11	Performance Criteria B
Conducted Emission	CISPR11	Class A
Radiated Emission	CISPR11	Class A

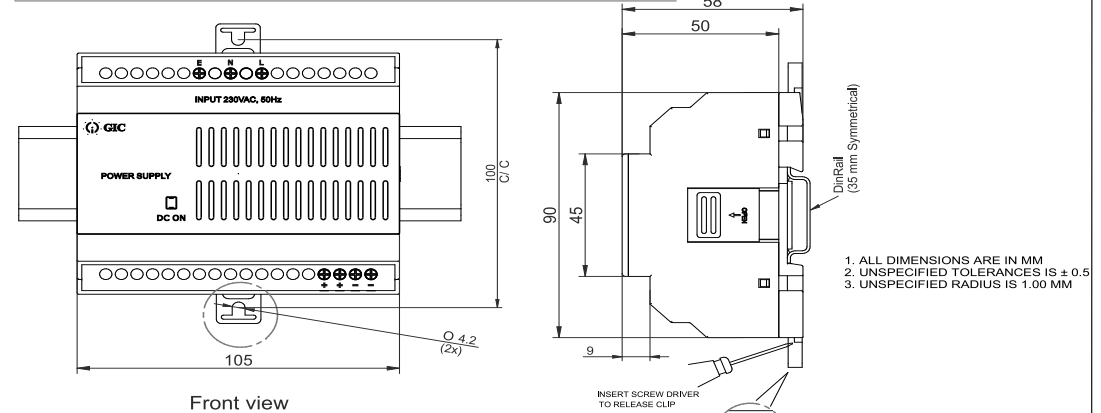
Safety:

Test Voltage between I/P and O/P	IEC 60947-5-1	3 kV
Test Voltage between all terminals and enclosure	IEC 60947-5-1	2.5 kV
Impulse Voltage between I/P and o/p	IEC 60947-5-1	Level IV
Single Fault	IEC 61010-1	
Insulation Resistance	UL 508	> 50 kΩ
Leakage Current	UL 508	< 3.5 mA

Environmental:

Cold Heat	IEC 60068-2-1	
Dry Heat	IEC 60068-2-2	
Vibration	IEC 60068-2-6	5 g

OVERALL PRODUCT DIMENSIONS AND MOUNTING DETAILS :



Front view

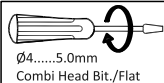
Input	Output voltage dips (typ.)	Load current & Duration
160VAC	From 24V to 18.0V	at 8A for 50mS, Res.load
	From 24V to 10.4V	at 20A for 5mS, Res.load
230VAC	From 24V to 20.4V	at 8A for 50mS, Res.load
	From 24V to 11.2V	at 20A for 5mS, Res.load
265VAC	From 24V to 21.4V	at 8A for 50mS, Res.load
	From 24V to 11.5V	at 20A for 5mS, Res.load

Input	Output voltage dips (typ.)	Load current & Duration
160VAC	From 12V to 7.5V	at 12A for 50mS, Res.load
	From 12V to 5.5V	at 20A for 5mS, Res.load
230VAC	From 12V to 8.6V	at 12A for 50mS, Res.load
	From 12V to 5.8V	at 20A for 5mS, Res.load
265VAC	From 12V to 9.0V	at 12A for 50mS, Res.load
	From 12V to 6.0V	at 20A for 5mS, Res.load

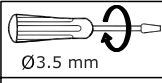
E-Waste Regulatory notice: Kindly treat, recycle or dispose of this equipment in an environmentally sound manner after End of Life, as per WEEE (Waste and Electronic Equipment) regulations or as per local norms; or hand it over to General Industrial Controls Pvt. Ltd, through website <https://www.gicindia.com/get-in-touch/>



TECHNICAL SPECIFICATIONS:			
Cat. No.:	24BS24BD1F	24BS241D2F	24BS24AD4E / 24BS24AD4ER
INPUT CHARACTERISTICS:			
Supply Voltage (Un)	100-240 VAC		
Supply Voltage Tolerance	- 15 % to + 10 % of Un		
Frequency	50/60 Hz, (± 3 Hz)		
AC Input Current (Max.)	0.22 A at 115VAC & 0.14 A at 230VAC	0.6 A at 115VAC & 0.35A at 230VAC	1.3A at 115VAC & 0.7A at 230VAC
Power Consumption Without Load	<0.3W at 115VAC & <0.5W at 230VAC	<0.3W at 115VAC & <0.5W at 230VAC	<0.3W at 115VAC & <0.4W at 230VAC
Inrush Current (Typ) at cold start	Max 30A @ 230VAC for 5 ms max	Max 50 A @ 230 VAC for 5 ms max	
OUTPUT CHARACTERISTICS:			
Output Voltage	24 VDC (Single Output)		
Output Indication	Green LED ON : Output ON		
Current Range	0 to 0.5A	0 to 1A	0 to 2.5A
Rated Power	12 W	24 W	60 W
Load Regulation	1 %		
Line Regulation	1 %		
Output Voltage Accuracy	±1 %		
Start Up Time	150 to 500 ms	80 ms to 1 sec	90 to 110ms
Hold UP Time (At 100 % Load)	20 ms at 110 VAC & 110 ms at 230 VAC	20 ms at 110 VAC & 100 ms at 230 VAC	10 ms at 110 VAC & 99 ms at 230 VAC
Ripple & Noise (max).	<150 mV p-p (Measured at 20 MHz ₂ of oscilloscope band width with shorted length of Probe terminals)		
Efficiency (typical)	85 % (Graphs are given an 2 of 2)		
Short term overload Capacity ^{*2}	120 ~ 200 %	120 ~175 %	150 ~ 250 %
PROTECTIONS :			
Output Over Voltage	<160 % of Rated output voltage at full load in case of feedback open / any other fault conditions only.		
	Protection Type: Hiccup mode, Auto recover.		Output Reset & Restart power to recover.
Short Circuit ^{*3}	Hiccup mode & Auto Recover after removal of short.		Output Reset & Auto recover after removal of short
Internal Input Fuse	N.A.	4A / 250VAC, Slow Blow	
AMBIENT CONDITIONS			
Temperature Coefficient	±0.03%/°C (0~55°C)		
Operating Temperature	-10° C to + 55° C		
Storage Temperature	-10° C to + 70° C		
Relative Humidity	5 to 95 % (Non-Condensing)		
Operating Positions	As per Standard orientation shown in figure 2.		
Degree of Protection	IP 30 (Enclosure); IP 20 (Terminals).		
Pollution Degree	II		
OTHERS			
Enclosure	Flame Retardant UL94-V0		
Enclosure Type	1M	2M	4M
Mounting	Base / Din-Rail		
Dimensions (W X H X D)	17.5 x 90 x 58.5 (In mm) (+0.5 -0.0)	36 x 90 x 60 (In mm)	72 x 90 x 58 (In mm)
Weight (Un-packed)	75 gms	135 gms	260 gms
TERMINAL DETAILS:	1M Series	2M / 4M Series	

	0.5 N.m (4.4lb.in) to 0.7N.m (6.2lb.in)
	2 x 2.5 mm ² Solid / Stranded Wire
AWG	20 to 12

Use Cu wire of 75°C only.

	Torque 0.4 N.m (3.54 Lb.in)
	1 x 2.5mm ² Solid/Stranded Wire
AWG	1 x 24 to 12

Use Cu wire of 75°C only.

SWITCHED MODE POWER SUPPLY

SERIES : SMPS

Cat. No.:

24BS24BD1F
24BS241D2F
24BS24AD4E
24BS24AD4ER



FEATURES:

- 100-265 VAC Wide input voltage range.
- Excellent load & line regulation.
- Lower no load power consumption.
- Output over voltage & Short circuit protection.
- High noise Immunity & Low ripple.
- Higher efficiency of operation.
- Operating temperature range from -10°C to 55°C.
- Finger safe terminals.
- Suitable for DIN-Rail & Base Mounting.
- Compact Size.

NOTE:

1.All parameters, not specially mentioned are measured at rated load & 25° C of ambient temperature.

*2.Short term overload capacity :
It is not recommended to operate the power supply at this load for more than 5 sec.

*3.Output short circuit (Hiccup mode) :
The output shuts down and Automatically attempts to restart.

4.Product innovation being a continuous process, we reserve the right to alter specifications without any prior notice.

SWITCHED MODE POWER SUPPLY SERIES: SMPS

GIC introduces a range of Din-rail/Base mountable, Single Phase Switching Power Supplies available in ratings of 5VDC / 5W; 24VDC / 12W; 24VDC / 24W; 24VDC / 60W; 12VDC / 72W & 24VDC / 96W. Features like high output accuracy with superior load & line regulations over a wide input supply voltage range makes these power supplies an ultimate choice for any industrial application.

WIRE WISE CURRENT DETAILS:

WIRE SIZE (AWG)	CURRENT (A)
12	5.00
14	3.33
16	1.67

EMI / EMC:

Harmonic Current Emissions	IEC 61000-3-2	Class A
ESD	IEC 61000-4-2	Level II
Radiated Susceptibility	IEC 61000-4-3	Level III
Electrical Fast Transient	IEC 61000-4-4	Level IV
Surge	IEC 61000-4-5	Level IV
Conducted Susceptibility	IEC 61000-4-6	Level III
Voltage Dips & Interruptions (AC)	IEC 61000-4-11	Performance Criteria B
Ripple on DC power ports	IEC 61000-4-17	Level 3 (1 %)
Conducted Emission	CISPR 11	Class A
Radiated Emission	CISPR 11	Class A

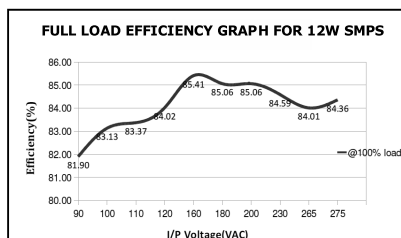
Safety:

Test Voltage between Input & Output	IEC 60947-5-1	3 kv
Test Voltage between all terminals & Enclosure	IEC 60947-5-1	4 kv
Impulse Voltage between Input & output	IEC 60947-5-1	Level IV
Single Fault	IEC 61010-1	
Insulation Resistance	UL 508	> 50 k Ω
Leakage Current	UL 508	< 3.5 mA
Environmental:		
Cold Heat	IEC 60068-2-1	
Dry Heat	IEC 60068-2-2	
Vibration	IEC 60068-2-6	5 g EN61373 (CAT 2)*
Repetitive Shock	IEC 60068-2-27	40 g,6ms
Non-Repetitive Shock	IEC 60068-2-27	30 g,15ms

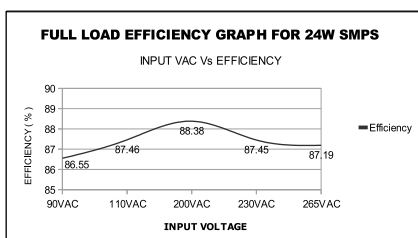
* Applicable for cat id 24BS24AD4ER only.

Efficiency at Rated Load & No Load Power Consumption: (at 25°C)

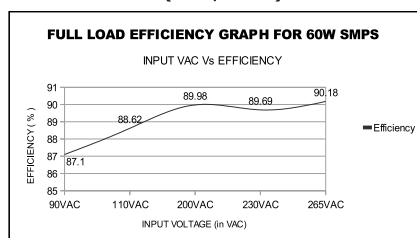
Cat No : 24BS24BD1F (24V, 12W)



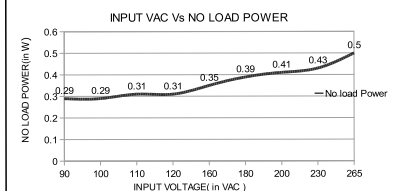
Cat No : 24BS241D2F (24V, 24W)



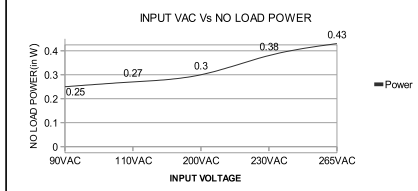
Cat No : 24BS24AD4E/24BS24AD4ER
(24V, 60W)



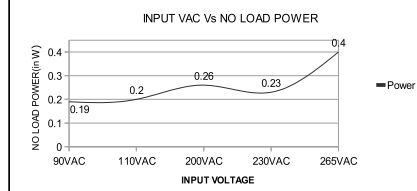
NO LOAD POWER CONSUMPTION FOR 12W SMPS



NO LOAD POWER CONSUMPTION FOR 24W SMPS

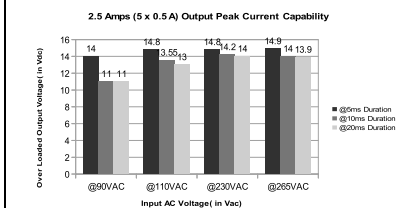


NO LOAD POWER CONSUMPTION FOR 60W SMPS

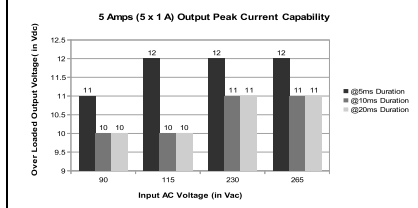


SHORT TIME PEAK CURRENT CAPABILITY:

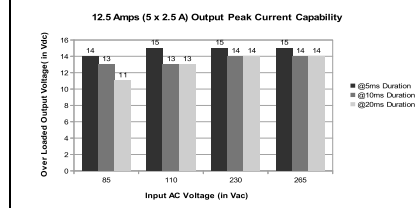
24V/0.5A SMPS



24V/1A SMPS



24V/2.5A SMPS



OVERALL PRODUCT DIMENSIONS & MOUNTING DETAILS :

FOR 24BS24BD1F

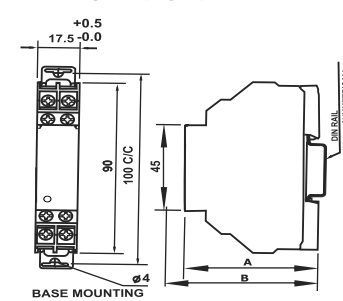


Fig - 0

FOR 24BS241D2F

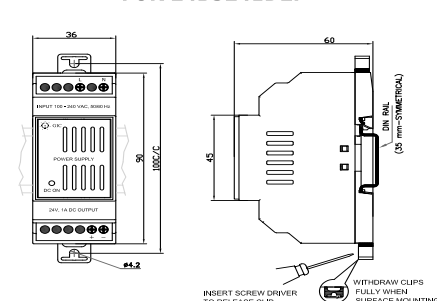


Fig - 1

FOR 24BS24AD4E / 24BS24AD4ER

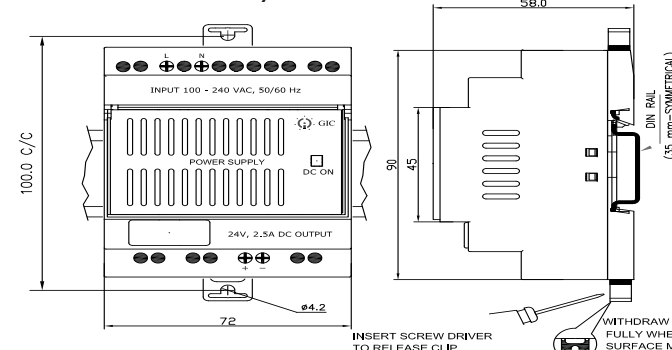


Fig - 2

E-Waste Regulatory notice: Kindly treat, recycle or dispose of this equipment in an environmentally sound manner after End of Life, as per WEEE (Waste and Electronic Equipment) regulations or as per local norms; or hand it over to General Industrial Controls Pvt. Ltd, through website <https://www.gicindia.com/get-in-touch/>



Remark: The graphs indicate nominal characteristics.

TECHNICAL SPECIFICATIONS:		
Cat. No.:	24BS121D2F	24BS101D2F
INPUT CHARACTERISTICS:		
Supply Voltage (Un)	100-240 VAC	
Supply Voltage Tolerance	+/- 10 % of Un	
Frequency	50/60 Hz, (± 3 Hz)	
AC Input Current (Max.)	350mA	200mA
Power Consumption Without Load	< 0.6 W	
Inrush Current (Typ) at cold start	Max 50A @ 230VAC for max 5 mS	
OUTPUT CHARACTERISTICS:		
Output Voltage	12 VDC (Single Output)	10 VDC (Single Output)
Output Indication	Green LED ON (Output ON)	
Current Range	0 to 1A	
Rated Power	12 W	10 W
Load Regulation	1 %	
Line Regulation	1 %	
Output Voltage Accuracy	±1 %	
Start Up Time	1 Sec Max	
Hold UP Time	> 10 ms at 115 VAC & > 20 ms at 230 VAC	
Ripple & Noise (max).	150 mV p-p (Measured at 20 MH of oscilloscope band width with shorted length of Probe terminals)	
Efficiency	> 85 %	
Short term overload Capacity ^{*2}	120 ~140%	
PROTECTIONS :		
Output Over Voltage	<160 % of Rated output voltage at full load in case of feedback open / any other fault conditions only. Protection Type: Hiccup mode and Auto recover.	
Short Circuit ^{*3}	Hiccup mode and Auto Recover after removal of short.	
Internal Input Fuse	4A / 250V AC, slow blow	
AMBIENT CONDITIONS		
Temperature Coefficient	±0.03%/°C (0~55°C)	
Operating Temperature	-10° C to + 55° C	
Storage Temperature	-25° C to + 85° C	
Relative Humidity	5 to 95 % (Non-Condensing)	
Operating Positions	As per Standard orientation shown in Figure 1.	
Degree of Protection	IP 30 (Enclosure); IP 20 (Terminals).	
Pollution Degree	II	
OTHERS		
Enclosure	Flame Retardant UL94-V0	
Enclosure Type	2M	
Mounting	Base / Din-Rail	
Dimensions (W X H X D)	90 x 60 x 36 (In mm)	
Weight (unpacked)	135 gms (Approx)	

SWITCHED MODE POWER SUPPLY

SERIES : SMPS

Cat. No.:

24BS121D2F
24BS101D2F



FEATURES:

1. 100-240VAC Wide-Range Input.
2. Excellent load & line regulation.
3. Lower no load power consumption.
4. Output over voltage & Short circuit protection.
5. High noise Immunity & Low ripple.
6. Higher efficiency of operation.
7. Operating temperature range from -10°C to 55°C.
8. Finger safe terminals.
9. Suitable for DIN-Rail & Base Mounting.

NOTE:

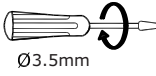
1. All parameters, if not specially mentioned are measured at rated load & 25° C of ambient temperature.

*2.Short term overload capacity :
It is not recommended to operate the power supply at this load for more than 5 sec.

*3.Output short circuit (Hiccup mode) :
The output shuts down and Automatically attempts to restart.

4.Product innovation being a continuous process, we reserve the right to alter specifications without any prior notice.

TERMINAL DETAILS:

 Ø3.5mm	Torque 0.54 N.m (6Lb.in) Terminal screw - M2.6
	1 x 2.5 mm ² Solid Wire
AWG	1 x 24 to 14

Use Cu wire of 75°C only.

SWITCHED MODE POWER SUPPLY SERIES : SMPS

GIC introduces a range of Din-rail/Base mountable Single Phase Switching Power Supplies. SMPS of 10VDC/1A(10W)and 12VDC/1A(12W) is offered with features like high output accuracy, superior load & line regulations, wide input voltage range from 90 to 265 VAC, which makes it an ultimate choice for any industrial application.

WIRE WISE CURRENT DETAILS:

WIRE SIZE (AWG)	CURRENT (A)
12	5.00
14	3.33
16	1.67

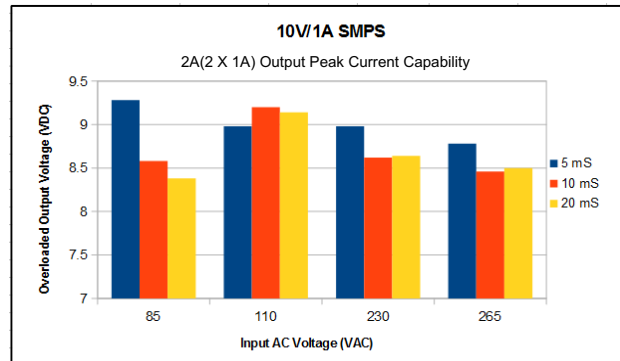
EMI / EMC :		
Harmonic Current Emissions	IEC 61000-3-2	Class A
ESD	IEC 61000-4-2	Level II
Radiated Susceptibility	IEC 61000-4-3	Level III
Electrical Fast Transient	IEC 61000-4-4	Level IV
Surge	IEC 61000-4-5	Level IV
Conducted Susceptibility	IEC 61000-4-6	Level III
Voltage Dips & Interruptions (AC)	IEC 61000-4-11	Performance Criteria B
Ripple on DC power ports	IEC 61000-4-17	Level 3 (1 %)
Conducted Emission	CISPR 11	Class A
Radiated Emission	CISPR 11	Class A

Safety :		
Test Voltage between Input & Output	UL 508	3.5 kv
Test Voltage between all terminals & Enclosure	UL 508	2.5 kv
Impulse Voltage between Input & output	IEC 60947-5-1	Level IV
Single Fault	IEC 61010-1	
Insulation Resistance	UL 508	> 50 K Ω
Leakage Current	UL 508	< 3 mA
Environmental :		
Cold Heat	IEC 60068-2-1	
Dry Heat	IEC 60068-2-2	
Vibration	IEC 60068-2-6	5g

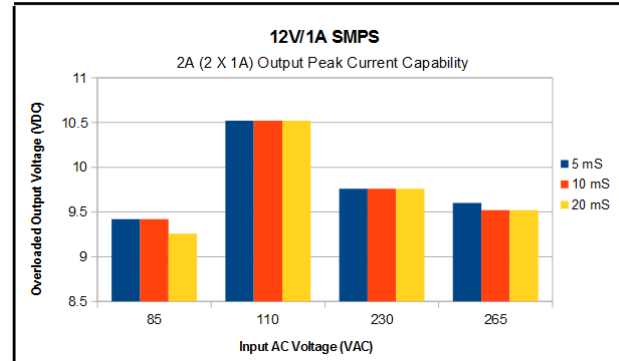
SHORT TIME PEAK CURRENT CAPABILITY :

Cat No : 24BS101D2F (10 WATT)

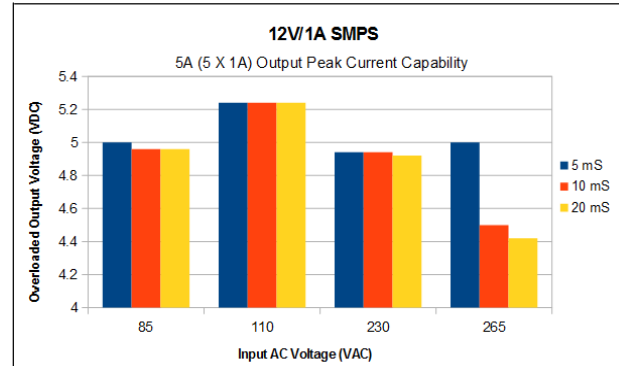
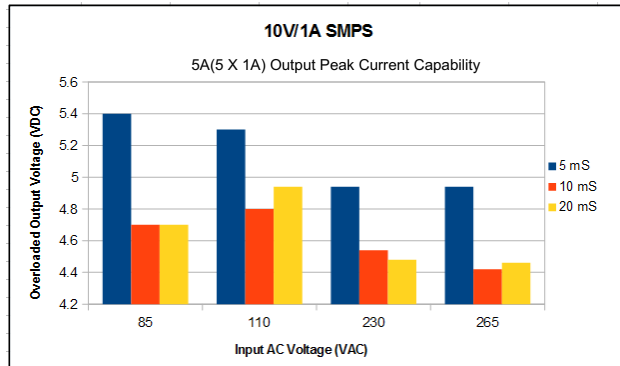
Graph for 200% load:



Cat No : 24BS121D2F (12 WATT)



Graph for 500% load:



OVERALL PRODUCT DIMENSIONS & MOUNTING DETAILS :

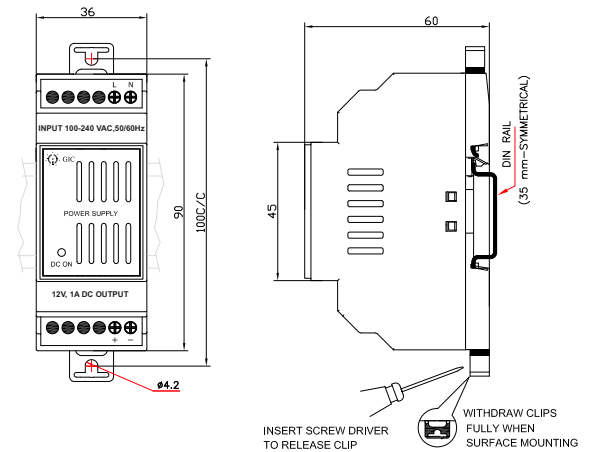


Fig - 1

TECHNICAL SPECIFICATIONS:	
Cat. No.:	24BS051D1F
INPUT CHARACTERISTICS:	
Supply Voltage (Un)	100-240 VAC
Supply Voltage Tolerance	-15 %; +10 % of Un
Frequency	50/60 Hz, (± 3 Hz)
AC Input Current (Max.)	140 mA
Power Consumption Without Load	< 0.3 W
Inrush Current (Typ) at cold start	8A at 115VAC & 16A at 230VAC, Max 5 mS
OUTPUT CHARACTERISTICS:	
Output Voltage	5 VDC (Single Output)
Output Indication	Green LED ON : Output ON
Current Range	0 to 1A
Rated Power	5 W
Load Regulation	1 %
Line Regulation	1 %
Output Voltage Accuracy	±1 %
Start Up Time	2 Sec Max
Hold UP Time	> 10 ms at 115 VAC & > 20 ms at 230 VAC
Ripple & Noise (max).	100 mV p-p (Measured at 20 MH of oscilloscope band width with shorted length of Probe terminals)
Efficiency	> 70 %
Short term overload Capacity ^{*2}	120 ~140%
PROTECTIONS :	
Output Over Voltage	<180 % of Rated output voltage at full load in case of feedback open / any other fault conditions only.
	Protection Type: Hiccup mode ^{*6} , Auto recover.
Short Circuit ^{*3}	Hiccup mode & Auto Recover after removal of short.
Internal Input Fuse	N.A
AMBIENT CONDITIONS	
Temperature Coefficient	±0.03%/°C (0~55°C)
Operating Temperature	-10° C to + 55° C
Storage Temperature	-25° C to + 85° C
Relative Humidity	5 to 95 % (Non-Condensing)
Operating Positions	As per Standard orientation shown in figure 2.
Degree of Protection	IP 40 (Enclosure); IP 20 (Terminals).
Pollution Degree	II
OTHERS	
Enclosure	Flame Retardant UL94-V0
Enclosure Type	1M
Mounting	Base / Din-Rail
Dimensions (W X H X D)	17.5 x 90 x 58.5 (In mm) (+0.5 -0.0)
Weight (unpacked)	75 gms (Approx)

SWITCHED MODE POWER SUPPLY

SERIES : SMPS

Cat. No.:

24BS051D1F



RoHS



FEATURES:

1. 100-240VAC Wide-Range Input.

2. Excellent load & line regulation.

3. Lower no load power consumption.

4. Output over voltage & Short circuit protection.

5. High noise Immunity & Low ripple.

6. Higher efficiency of operation.

7. Operating temperature range from -10°C to 55°C.

8. Finger safe terminals.

9. Suitable for DIN-Rail & Base Mounting.

10. Compact Size

NOTE:

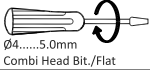
1.All parameters, not specially mentioned are measured at rated load & 25° C of ambient temperature.

*2.Short term overload capacity :
It is not recommended to operate the power supply at this load for more than 5 sec.

*3.Output short circuit (Hiccup mode) :
The output shuts down and Automatically attempts to restart.

4.Product innovation being a continuous process, we reserve the right to alter specifications without any prior notice.

TERMINAL DETAILS:

 Ø4.....5.0mm Combi Head Bit./Flat	0.5 N.m (4.4lb.in) to 0.7N.m (6.2lb.in)
	2 x 2.5 mm ² Solid / Standard Wire
AWG	24 to 10

Use Cu wire of 75°C only.

24LL003-01

SWITCHED MODE POWER SUPPLY SERIES: SMPS

GIC introduces a range of Din-rail/Base mountable, Single Phase Switching Power Supply available in ratings of 5VDC/ 5W. Features like high output accuracy with superior load & line regulations, with an input voltage range from 90 to 265 VAC, makes these power supplies an ultimate choice for any industrial application.

WIRE WISE CURRENT DETAILS:

WIRE SIZE (AWG)	CURRENT (A)
12	5.00
14	3.33
16	1.67

EMI / EMC:

Harmonic Current Emissions	IEC 61000-3-2	Class A
ESD	IEC 61000-4-2	Level II
Radiated Susceptibility	IEC 61000-4-3	Level III
Electrical Fast Transient	IEC 61000-4-4	Level IV
Surge	IEC 61000-4-5	Level IV
Conducted Susceptibility	IEC 61000-4-6	Level III
Voltage Dips & Interruptions (AC)	IEC 61000-4-11	Performance Criteria B
Ripple on DC power ports	IEC 61000-4-17	Level 3 (1 %)
Conducted Emission	CISPR 11	Class A
Radiated Emission	CISPR 11	Class A

Safety:

Test Voltage between Input & Output	IEC 60947-5-1	3 kv
Test Voltage between all terminals & Enclosure	IEC 60947-5-1	2.5 kv
Impulse Voltage between Input & output	IEC 60947-5-1	Level IV
Single Fault	IEC 61010-1	
Insulation Resistance	UL 508	> 10 MΩ
Leakage Current	UL 508	< 3.5 mA

Environmental:

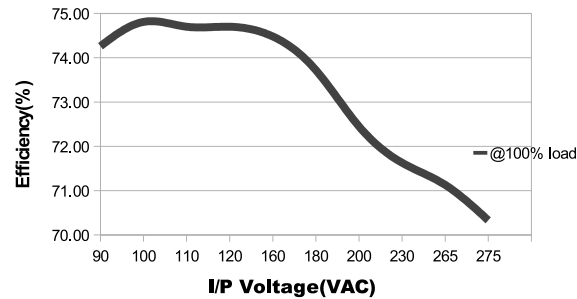
Cold Heat	IEC 60068-2-1	
Dry Heat	IEC 60068-2-2	
Vibration	IEC 60068-2-6	5 g
Repetitive Shock	IEC 60068-2-27	40 g, 6 ms
Non-Repetitive Shock	IEC 60068-2-27	30 g, 15 ms

Efficiency at Rated Load & No Load Power Consumption: (at 25°C)

Cat No : 24BS051D1F (5 W)

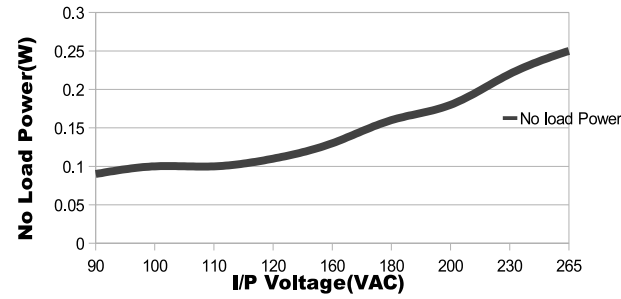
FULL LOAD EFFICIENCY GRAPH FOR 5 W SMPS

Efficiency vs Input AC Voltage



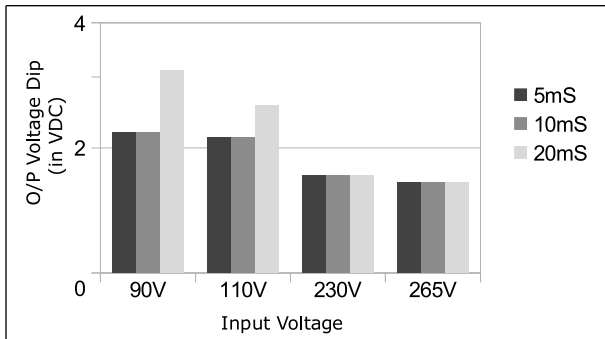
NO LOAD POWER CONSUMPTION FOR 5 W SMPS

No Load power Vs I/p Voltage

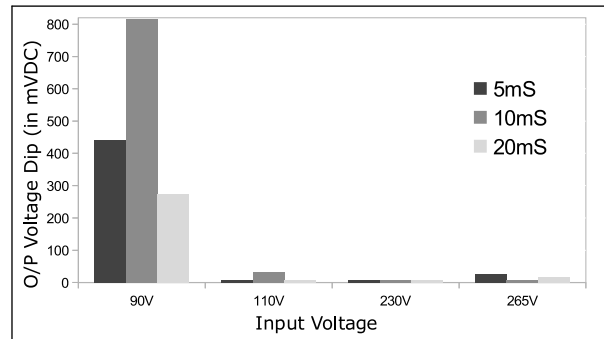


SHORT TIME PEAK CURRENT CAPABILITY:

Graph for 500% load:-



Graph for 200% load:-



Remark: The graphs indicate nominal characteristics.

OVERALL PRODUCT DIMENSIONS & MOUNTING DETAILS :

