

10.2Watt,Single Output,AC-DC Green Power Module Converter

FEATURES:

- Universal Input 85~265VAC
- High Efficiency Up To 82%
- Protection: Short Circuit / Overload/Over Voltage
- No Load Power Consumption<0.075W

Specifications typical at TA=25°C, nominal input voltage and rated output current unless otherwise specified

Part Number	Output Wattage	Output Voltage	Output Current		Ripple & Noise(note1)	Efficiency
	(W)	(V)	(mA)(min)	(mA)(max)	(mV) max	%(TYP)
GA10G-S12C01	10.2	Vo=+12.0	0	850	200	82

Input Specifications

Parameters	Conditions	Min	Typ	Max	Units
Rated input voltage	Vo,lo nom		100-240		Vac
Voltage Range	Vo,lo nom	85		265	Vac
	AC in DC in	120		370	Vdc
Frequency		47		63	Hz
Input Current	Vo,lo nom			0.3	A
Inrush Current	At 115Vac			30	A
	At 230Vac			60	A
Leakage Current				0.25	mA
Input Current(Full load)		250mA Max.(115Vac) 150mA Max.(230Vac)			
Input Fuse		VDE/UL/CCC FUSE 2.5A/250V(Slow blow)			

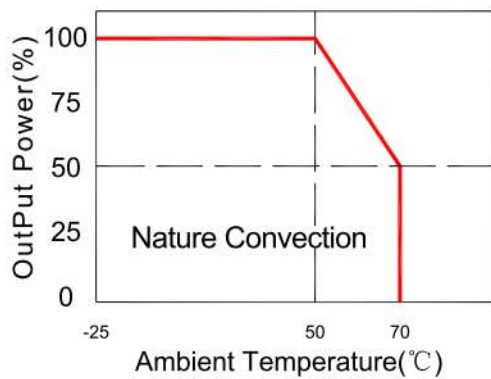
Output Specifications

Parameters	Conditions	Min	Typ	Max	Units
Output Voltage Accuracy	Vi nom,lo nom			±5	%
Minimum Load	Vi nom	0			%
Line Regulation	lo nom,Vi min...Vi max		±1.0		%
Load Regulation	Vi nom, lo min...lo nom		±3.0		%
Protection	Overload	Above 115% rated output power			
		Protection type: Recovers automatically after fault condition is removed			
	Over Voltage	120%-150% rated output Voltage			
Protection type: Zener diode clamp					
Short circuit	Recovers automatically after fault condition is removed				

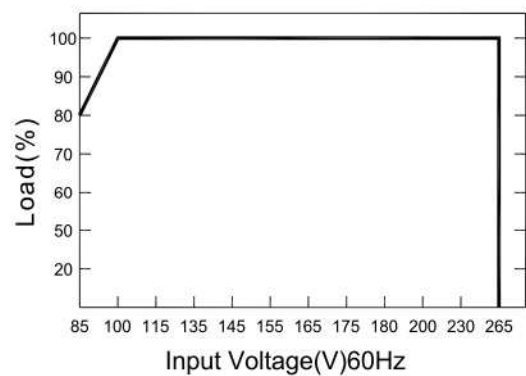
Note. 1. Ripple & noise is measured by using 20 MHz bandwidth, measured with a 47uf paralleled with a high-frequency 0.47uf capacitor across each output by full load.

General Specifications					
Parameters	Conditions	Min	Typ	Max	Units
Switching Frequency	Vi nom,lo nom		100		KHz
Isolation Voltage	Input / Output	3KVac/ 5mA/5Secs			
Isolation Resistance	Input / Output,@500 Vdc	100			MΩ
Operating Temperature	Operating at Vi nom,lo nom	-25		+70	°C
Storage Temperature	Non Operational	-40		+85	°C
Relative Humidity	Vi nom,lo nom			95	% RH
Safety Standards	Design refer to EN62368-1				
EMI Conduction & Radiation	Design refer to EN55032				
EMS Immunity	Design refer to EN55024				
Dimension	L50.80x W25.40 x H17.02				mm
Cooling	Free air convection				

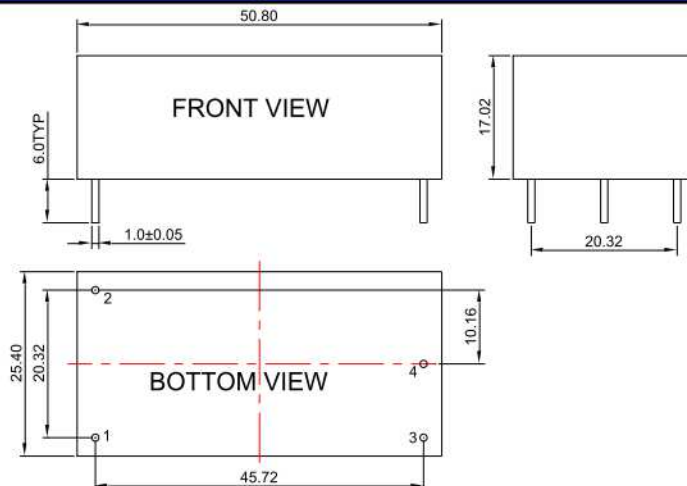
Temperature Derating Graph



Output Derating VS Input Voltage



Markings and dimensions



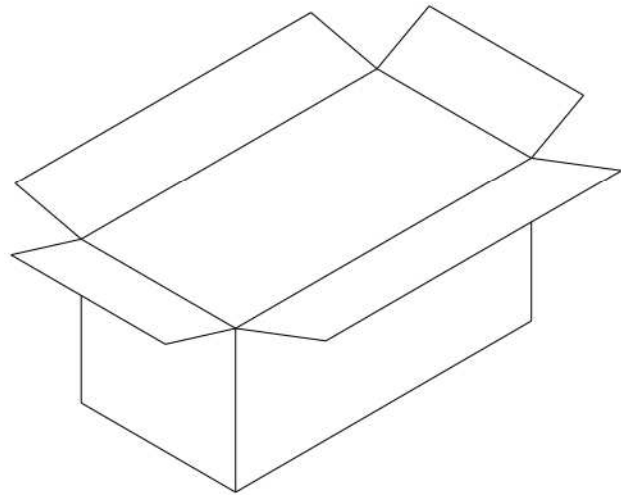
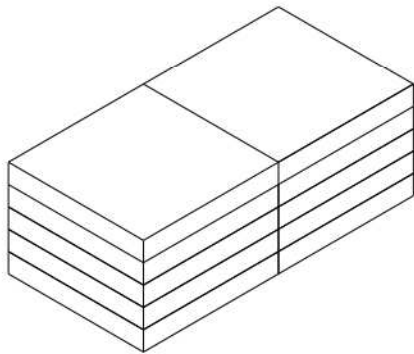
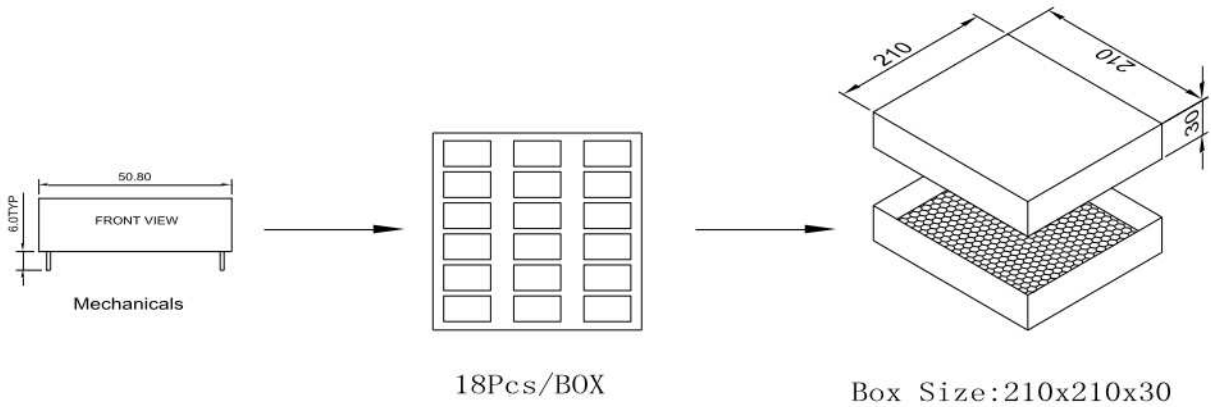
UNIT: mm Unless otherwise specified, all tolerances are ± 0.50

PIN Connection

PIN	1	2	3	4
GA10G	ACN	ACL	-Vo	+Vo

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- 1. Weight:40grams/pcs
- 2. outer carton unit : 180pcs/box
- 3. Weight: 9.0kg per carton



Outer carton: 460x240x220mm

UNIT:mm