65W/52V Desktop Power Adaptor (GWS-AP65-52)

Features

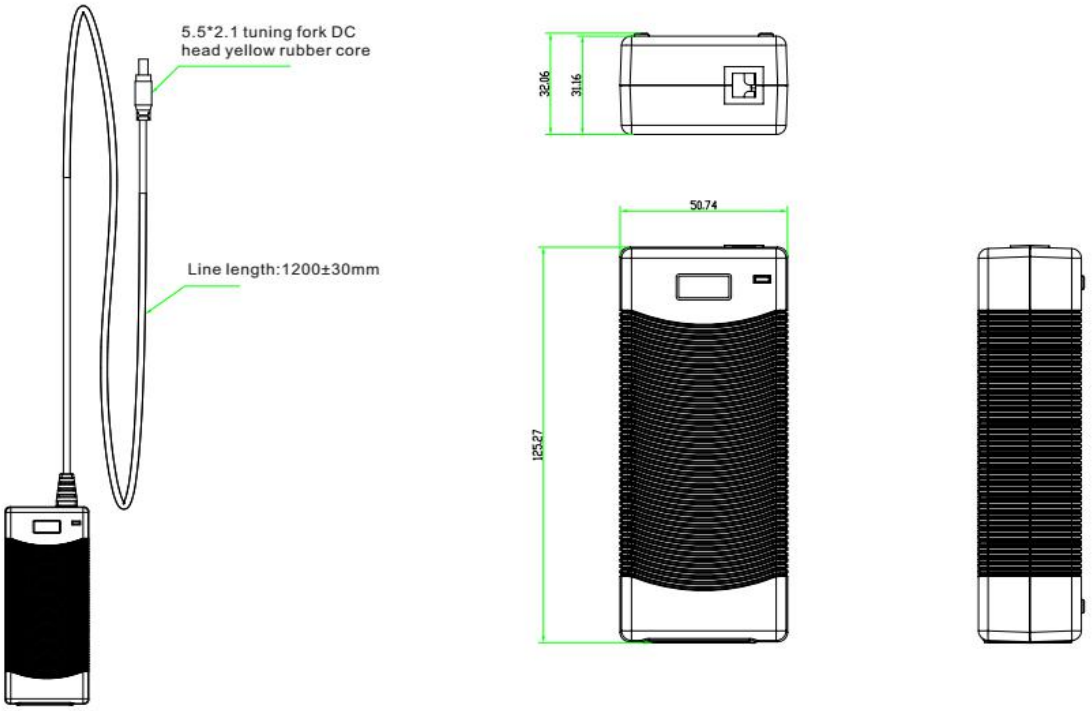
- Power Input: AC90~264V
- Support production for short circuit/over current/over voltage
- Wide operating ambient temp (-20℃~65℃)
- 100% full load aging test
- High efficiency, long life time and high reliability
- No fan, completely tranquil work
- 3 years warranty

Technical Specification

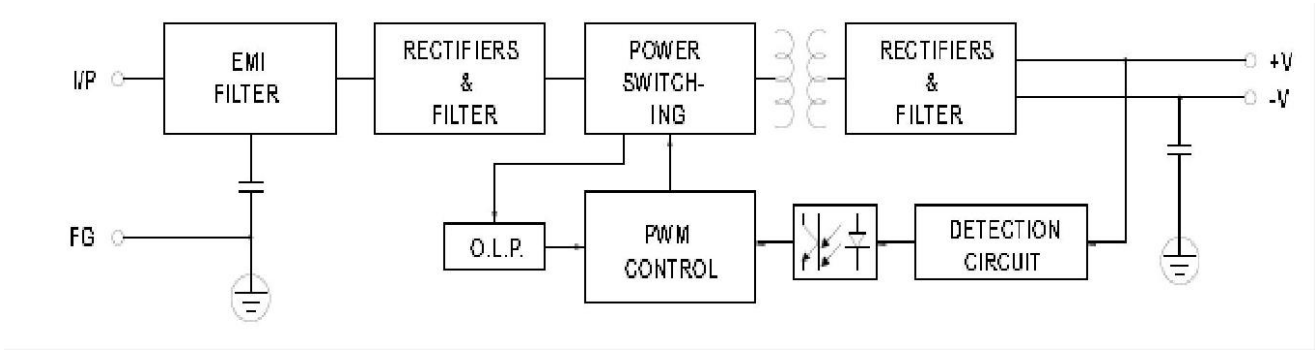
Model			GWS-AP65-52
Output	Group Of Output		1
	DC Voltage		52VDC
	Default Output Voltage		0-1.25A
	Ripple Noise	0＜Ta≤55℃	≤50mVp-p
		-15≤Ta≤0℃	≤100mVp-p
	Stabilized Voltage Precision		±1%
	Line Regulation		±1%
	Load Regulation		±1%
	Temperature Coefficient		±0.03%/℃
	Output Start Time		≤3.0S (120Vac input, Full load); ≤2.0S (220Vac input, Full load)
	Output Hold Time		≥10mS(120Vac input, Full load); ≥20mS(220Vac input, Full load)
	Voltage Overshoot		<5.0%
Input	Input Voltage Range		90VAC~264VAC
	Input Rated Voltage Range		100VAC~240VAC
	Frequency Range		47Hz~63Hz
	Efficiency		88%
	Input Current		<0.7A
	Inrush Starting Current		<40A@300Vac Cold start;
	Leakage Current		input to output less than 0.25mA
Protection	Output	Over Power	54~97.5W Swing machine (Testing method: Increase the output current until enabling the protection. Protection mode:Swing machine, Self-recovery after over-power released.)
		Over Voltage	59-60V Swing machine (Short circuit the Pin1-2 of U8, swing machine. Output recovery to normal after removing the short circuit) Note: Do not use external voltage.
		Over Current	1.5~1.875A Swing machine (Testing method: Increase the output current until enabling the protection. Protection mode:Swing machine, Self-recovery after over-current released.)

		Short Circuit	It can be short circuited for a long time and automatically recover after the short circuit is eliminated.
Operation Environment	Operation Temperature And Humidity		-20℃~65℃; 20%~90%RH No condensing
	Storage Temperature And Humidity		-40℃~85℃; 5%~95%RH No condensing
Safety And EMC Standard	Security Standard		GB4943/EN60950
	Dielectric Strength		Input—Output:3KVac/10mA; Input--Case:1.5KVac/10mA; Output---Case:0.5KVDC/10mA Time for each testing is 1min.
	Insulation Resistance		Input-Output: 100M ohms; Input-Case: 100M ohms; Output-Case: 100M ohms;
	Electromagnetic Interference		EN55022 Class A
	Harmaonic Current		IEC61000-3-2 class A equipment requirements
	Electromagnetic interference Immunity		EN61000-4-2,4,5,6,8,11 ENV50204, class A heavy industry standard
Others	Design MTBF		100,000Hrs AT 25℃, MIL-217 Method 2 Components Stress Method
	Product size(L*W*H)		125*51*32mm
Notes	If the specification is not specified, all specifications and parameters shall be measured at rated input, rated load and 25 C ambient temperature. Ripple noise test method: the use of a 12# twisted pair, while the terminal to parallel capacitance of 0.1uF and 10uF, measured at the scope of the oscilloscope 20MHz bandwidth. The power supply will be installed on the final equipment as a component, and the final equipment will still have to meet the EMC condition.		

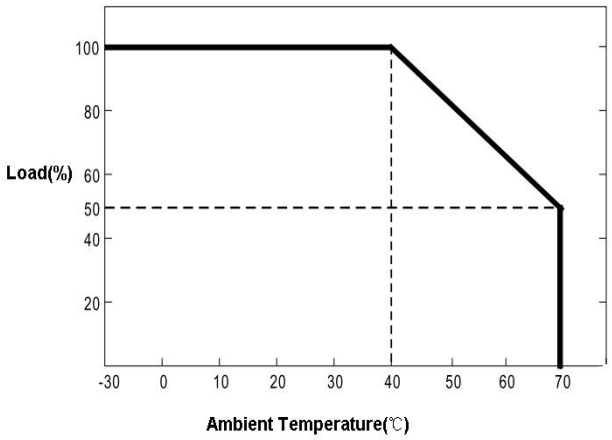
Dimension



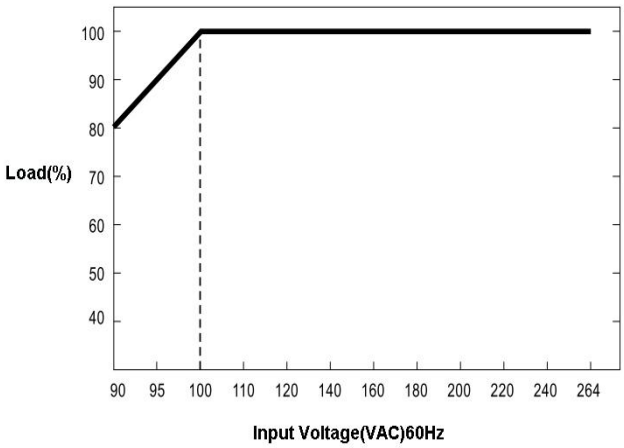
Block Diagram



Derating Curve



Static Characteristic Curve



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