65W/12V Desktop Power Adapter(AC/DC)

(GWS-AP65-12)

FEATURE

Power Input: AC90~264V or 100~240VAC
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

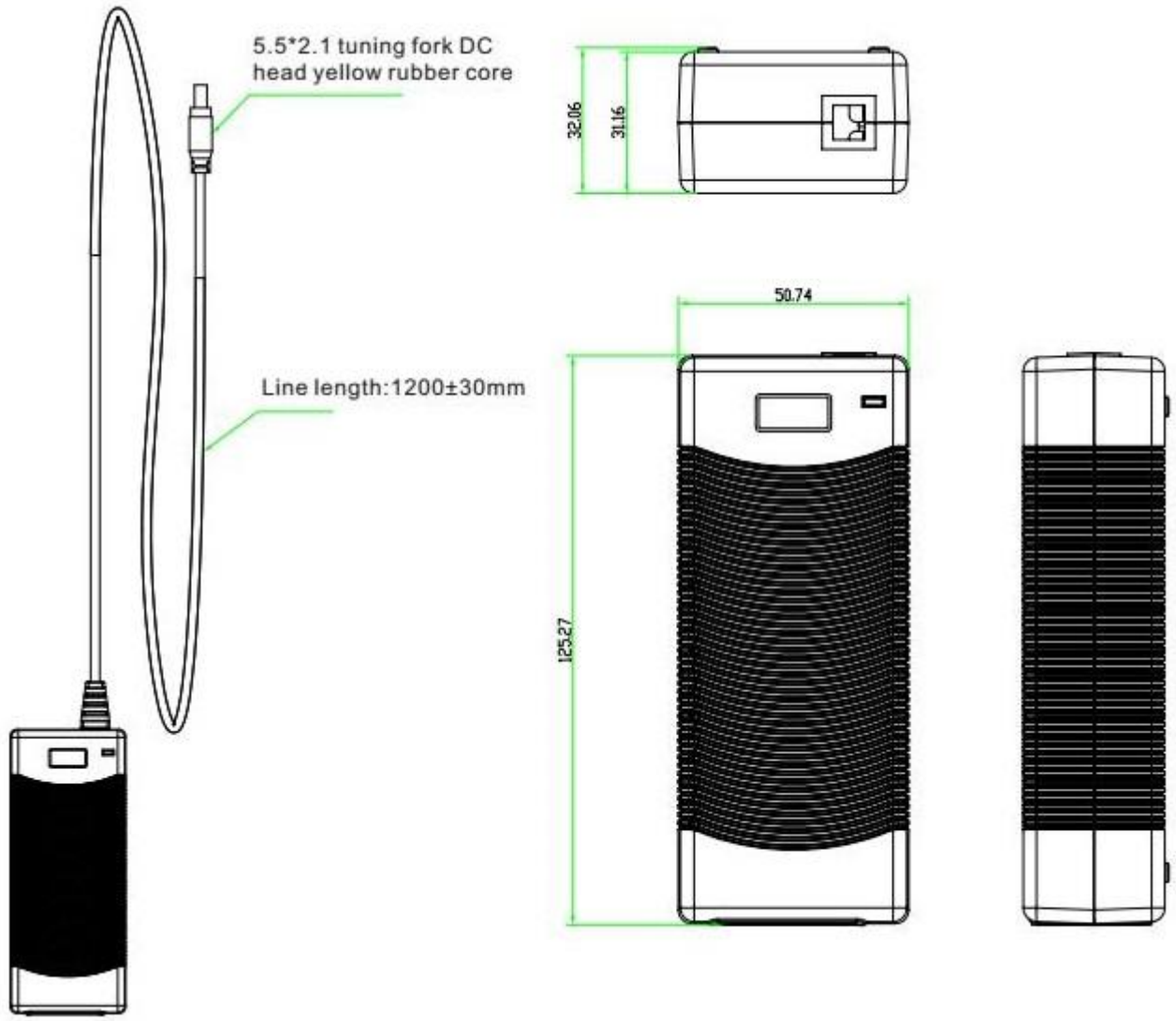
TECHNICAL SPECIFICATION

Model	GWS-AP65-12
Output	
Group Of Output	1
DC Voltage	12VDC
Output Voltage	5.5A
Ripple Noise: 0<Ta≤55℃	≤50mVp-p
Ripple Noise:-15≤Ta≤0℃	≤100mVp-p
Stabilized Voltage Precision	±1%
Line Regulation	±1%
Load Regulation	±1%

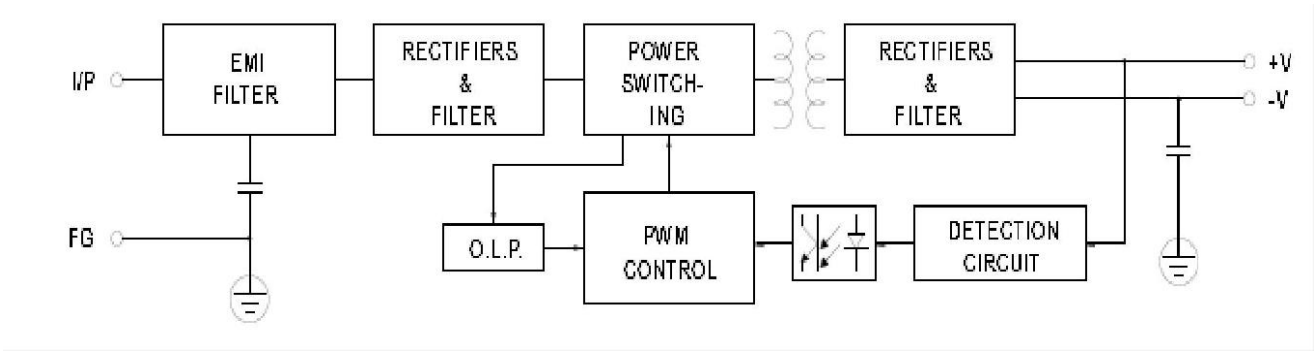
Temperature Coefficient	±0.03%/℃
Output Start Time	≤3.0S (120Vac input, Full load), ≤2.0S (220Vac input, Full load)
Output Hold Time	≥10mS(120Vac input, Full load), ≥20mS(220Vac input, Full load)
Voltage Overshoot	<5.0%
Input	
Input Voltage Range	90VAC-264VAC or 100-240VAC (custom)
Input Rated Voltage Range	100VAC-240VAC or 100-240VAC (custom)
Frequency Range	47Hz-63Hz or 50Hz-60Hz (custom)
Efficiency	85%
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.)
Output Over Voltage	15-10V 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.
Output Over Current	6.5~8.8A Swing machine (Testing method: Increase the output current until enabling the protection. Protection mode:Swing machine, Self-recovery after over-current released.)
Output Short Circuit	It can be short circuited for a long time and automatically recover after the short circuit is eliminated.
Operation Environment	
Operation TEMP / Humidity	-20℃~65℃, 20%~90%RH No condensing
Storage TEMP / Humidity	-40℃~85℃, 5%~95%RH No condensing
Safety And EMC Standard	
Security Standard	GB4943/ EN62368-1
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. Plugin Standard EU.

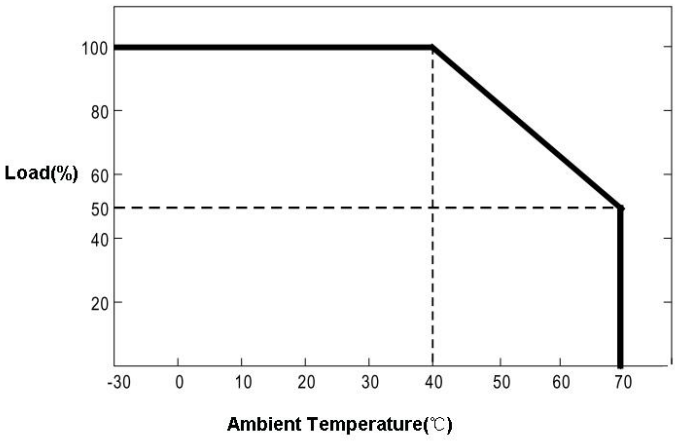
DIMENSION



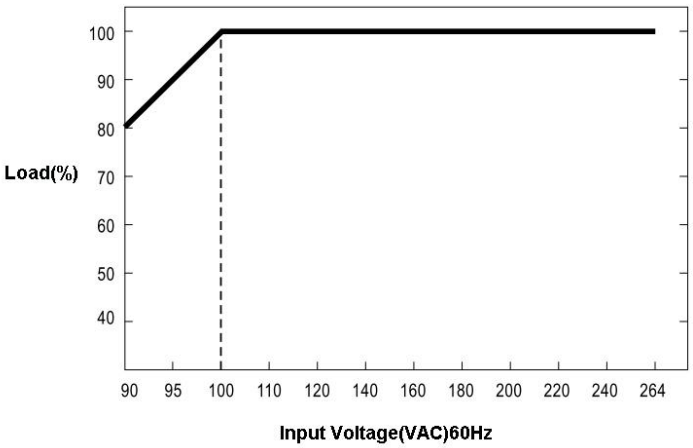
BLOCK DIAGRAM



Derating Curve



Static Characteristic Curve



CONTACT US

Tel: 0086-755-33376606

Fax: 0086-755-33376608

Email: onv@onv.com.cn

Website: www.gwsdz.com

Zip: 518000

Headquarter Address: Room 1003, Block D, Terra Building, Futian District, Shenzhen, China

Factory Address: The 4-6th Floor, A building, Senyutai (Science&Technologoy) Park, Huaning Road, Dalang Street, Longhua District, Shenzhen, China