

# 130W/52V Open Frame Power Supply(With Certification) (GWS-BP130-52C)



#### **Features**



- Power Input: AC90~264V
- Support production for short circuit/over current/over voltage
- ➤ Wide operating ambient temp (-20 $^{\circ}$ C~65 $^{\circ}$ C)
- > 100% full load aging test
- > High efficiency, long life time and high reliability
- No fan, completely tranquil work
- 3 years warranty
- > 3C.CE.FCC.EMI/EMC

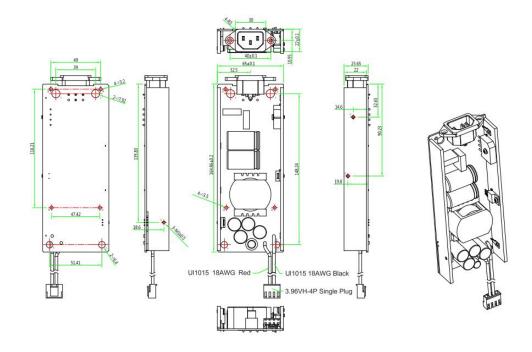
## **Technical Specification**

Model			GWS-BP130-52C
Output	Group Of Output		1
	DC Voltage		52VDC
	Default Output Voltage		0-2.5A
	Ripple N	0 <ta≤55°c< td=""><td>≤50mVp-p</td></ta≤55°c<>	≤50mVp-p
		oise <mark>-15≤Ta≤0</mark> ℃	≤100mVp-p
	Stabilized Voltage Precision		±1%
	Line Regulation		±1%
	Load Regulation		±2%
	Temperature Coefficient		±0.03%/℃
	Output Start Time		≤3.0S (120Vac input, Full load);
	Output Hold Time		≤2.0S (220Vac input, Full load) ≥10mS(120Vac input, Full load);
			≥20mS(220Vac input, Full load)
	Voltage Overshoot		<5.0%
	Input Voltage Range		90VAC~264VAC
	Input Rated Voltage Range		100VAC~240VAC
	Frequency Range		47Hz~63Hz
Input	Efficiency		91%
•	Input Current		<1.1A
	Inrush Starting Current		<40A@300Vac Cold start;
	Leakage Current		input to output less than 0.25mA
Protecti on	Output	Over Power	156~195W Swing machine (Testing method: Increase the output
			current until enabling the protection. Protection mode:Swing machine, Self-recovery after over-power released.)
OII			59-60V Swing machine (Short circuit the Pin1-2 of U8, swing machine.
		Over Voltage	Output recovery to normal after removing the short circuit) Note: Do
			not use external voltage.
		Over Current	3~3.75A Swing machine (Testing method: Increase the output current until enabling the protection. Protection mode:Swing machine,



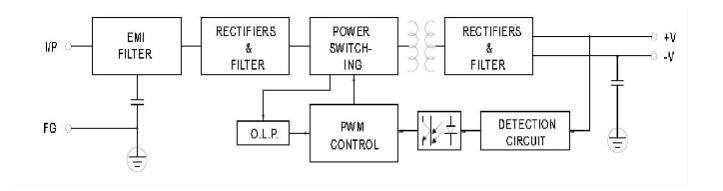
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		Self-recovery after over-current released.)		
	Short Circuit	It can be short circuited for a long time and automatically recover after the short circuit is eliminated.		
	Operation Temperature And Humidity	-20℃~65℃; 20%~90%RH No condensing		
ment	Storage Temperature And Humidity	-40℃~85℃; 5%~95%RH No condensing		
Certifica tion				
	FCC.EMI/EMC			
Standar	Security Standard	GB4943/EN60950		
	Dielectric Strength	Input—Output:3KVac/10mA; InputCase:1.5KVac/10mA; OutputCase: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		
	Dimension	174*65*27mm		
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**



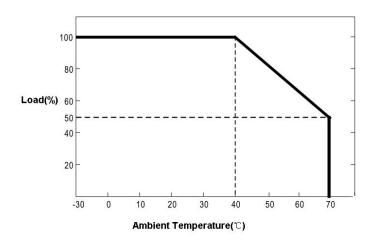


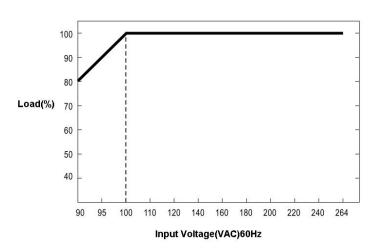
## **Block Diagram**



### **Derating Curve**

#### **Static Characteristic Curve**





#### **Contact Us**

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