

■ 特性 Features:

- 输入电压范围: 85-264Vac/120-370Vdc
The input voltage range : 85-264Vac/120-370Vdc
- 效率最高可达 87%
The efficiency is up to 87%
- 输出低纹波噪声
Low ripple & noise output
- 空载功耗 < 0.3 W
No load power consumption < 0.3 W
- 电源输出 LED 指示灯
PSU output LED indicator
- 输出电压值可调
The output voltage is adjustable
- 5938Vdc 高隔离电压
5938Vdc high isolation voltage
- 短路、过流、过压、过温保护功能
With OSP、OCP、OVP、OTP functions
- 满足 5000M 海拔应用 (备注 3)
Meet 5000M altitude application (Note 3)
- 符合 IEC/EN/BS EN62368、BS EN/EN61558 等认证标准
Meet IEC/EN/BS EN62368、BS EN/EN61558 Etc.certification standards
- 安装导轨: TS-35/7.5 或 TS-35/15
Can be installed on the rail frame: TS-35/7.5 or TS-35/15
- 自然风冷
Convection cooling
- 高可靠性, 基板三防漆工艺
High reliability, conformal coating process for substrates



■ 应用 Applications:

- 家居控制系统
Home control system
- 建筑自动化
Building automation
- 工业控制系统
Industrial control system
- 机电设备
Electromechanical equipment
- 工厂自动化
Factory automation

■ 描述 Description:

DR15H 是一款薄型高性价比、标准导轨式安装的导轨型电源供应器，适合安装在 TS-35/7.5 或 TS-35/15 的轨道上，在允许节约空间橱柜内本体被设计为 17.5 毫米宽度。整个系列采用从 85Vac 到 264Vac 全范围交流输入，提供 5V、12V、15V、24V、48V 单路输出，输出总功率 15W。通过 CE/CQC/CB 认证，符合欧盟 RoHS2.0 指令。

The DR15H series of products is a thin and cost-effective rail PSU that conforms to the standard rail mounted rail, which is suitable for installation in the orbit of TS-35/7.5 or TS-35/7.5, and designed to save the inner body of the space cabinet by 17.5 mm width. The entire series adopts a full range of AC input from 85Vac to 264Vac, providing single output of 5V/12V/15V/24V/48V, with a total output power of 15W, which has passed the CE/CQC/CB certification and the Eu RoHS2.0 instruction.

选型规格 Model Selection

功率段 POWER	产品型号 MODEL	输出功率 Pout	输入电压 Vin	输出电压 Vout	输出电流 Iout	效率 (%) EFF.	安规认证 SAFETY
15W	GW-DR15H-5	12W	85-264Vac/ 120-370Vdc	5V	2.4A	79.8	CE/CQC/CB
	GW-DR15H-12	15W		12V	1.25A	85	
	GW-DR15H-15	15W		15V	1A	85.5	
	GW-DR15H-24	15.2W		24V	0.63A	85.8	
	GW-DR15H-48	15.4W		48V	0.32A	87	

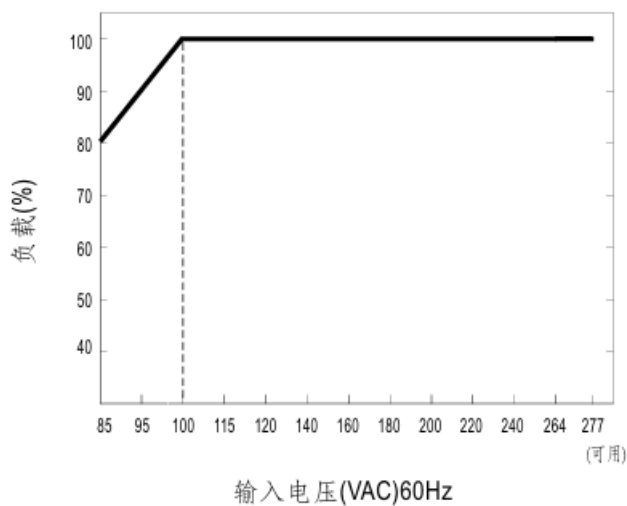
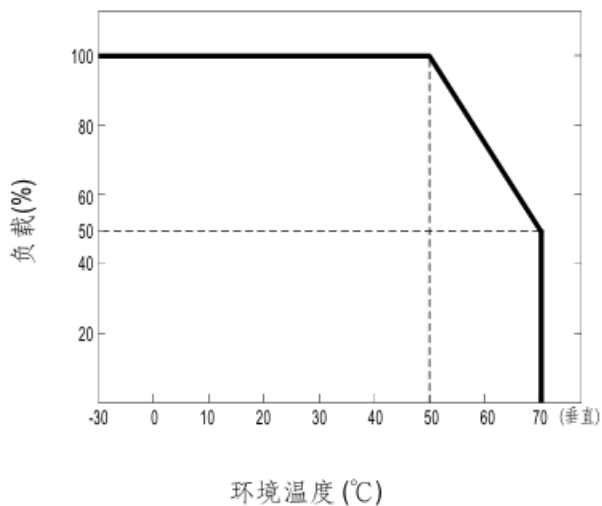
*其它安规需求认证中 Other safety requirements are pending certification.

通用参数 General Specification

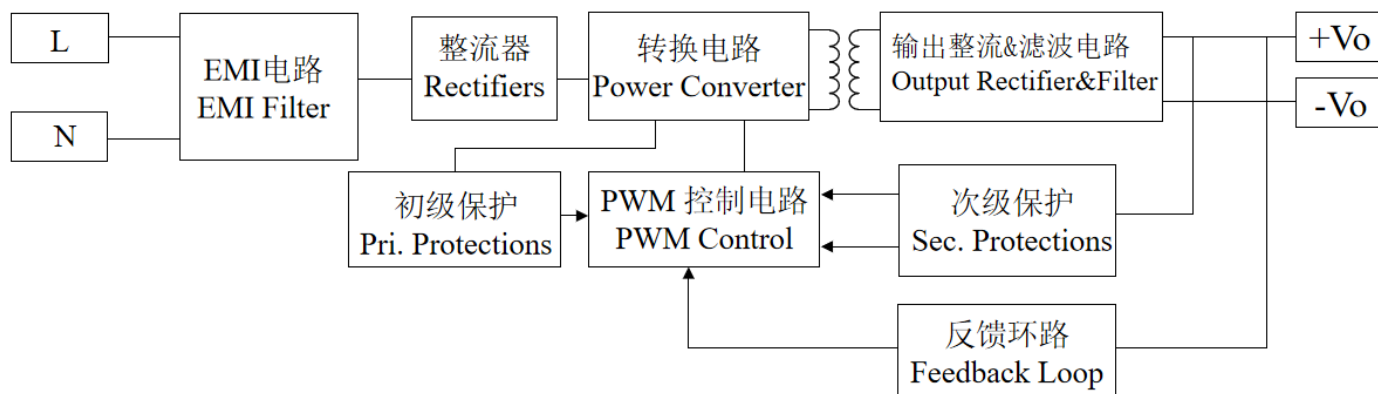
型号 MODEL		DR15H-5	DR15H-12	DR15H-15	DR15H-24	DR15H-48	
输出 Output	输出电压 Output Voltage	5V	12V	15V	24V	48V	
	额定电流 Output Current	2.4A	1.25A	1A	0.63A	0.32A	
	电流范围 Current Range	0~2.4A	0~1.25A	0~1A	0~0.63A	0~0.32A	
	额定功率 Output Power	12W	15W	15W	15.2W	15.4W	
	纹波与噪声 Ripple and Noise(备注5)	80mV	120mV	120mV	150mV	240mV	
	电压调整范围 Adj-voltage range	4.5~5.5V	10.8~13.8V	13.5~18V	21.6~29V	43.2~50.2V	
	稳压精度 Voltage stability(备注2)	±2.0%	±1.0%	±1.0%	±1.0%	±1.0%	
	线性调整率 Line regulation	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	
	负载调整率 Load regulation	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	
	保持时间 Hold-up time	11.8ms (115Vac/100% load), 30ms(230Vac/100% load)					
启动时间 Startup time	≤2000ms (25°C)						
输入 Input	电压范围 Voltage Range	85~264Vac					
	频率范围 Frequency Range	47~63Hz					
	输入电流 Input Current	0.5A/115VAC, 0.25A/230VAC					
	浪涌电流 Inrush Current	25A / 115Vac, 45A / 230Vac (Cold start)					
	效率 Efficiency	79.8%	85%	85.5%	85.8%	87%	
保护 Protections	过电压 OVP	5.75~6.75V	14.2 ~ 16.2V	18.8 ~ 22.5V	30 ~ 36V	51.5 ~ 64.8V	
	过负载 OCP	2.64~4.8A	1.375 ~ 2.5A	1.1 ~ 2A	0.704~ 1.28A	0.352~0.64A	

	过温度 OTP	打嗝模式，异常条件移除后可自动恢复 Hiccup mode, The PSU can be Auto-recovered when the fault is removed			
	短路 OSP	打嗝模式，异常条件移除后可自动恢复 Hiccup mode, The PSU can be Auto-recovered when the fault is removed			
环境 Environmental	工作温度 Operating Temperature	-30 ~ +70°C 请参考降额曲线 Refer to the derating curve			
	工作湿度 Operating Humidity	20% ~ 90% RH, 无冷凝 Non-condensing			
	存储温度 Storage Temperature	-40 ~ +85°C			
	存储湿度 Storage humidity	10% ~ 95% RH, 无冷凝 Non-condensing			
安规 Safety	安全规范 safety standards	IEC/UL/EN/BS EN62368、EN61558、GB4943、BIS IS13252、EN62477			
	耐压 Hi-pot	LP - O/P: 4000Vac;			
	绝缘阻抗 Insulating resistance	≥100Mohm (500VDC / 25°C / 70% RH)			
	电磁干扰 EMI	传导骚扰 Conducted	CISPR32/EN55032	CLASS B	
		辐射骚扰 Radiated	CISPR32/EN55032	CLASS B	
		谐波电流 Harmonic Current	IEC/EN61000-3-2	CLASS A	
		电压闪烁 Voltage Flicker	IEC/EN61000-3-3	-----	
	电磁抗扰 EMS	静电放电 ESD	IEC/EN61000-4-2	Level 2 Contact ±4KV / Level 3 Air ±8KV; Criteria A	
		辐射抗扰 Radiated	IEC/EN61000-4-3	Level 3 10 V/m; Criteria A	
		脉冲群抗扰度 EFT/B	IEC/EN61000-4-4	Level 3 ±2KV; Criteria A	
浪涌抗扰度 Surge		IEC/EN61000-4-5	Level 3 1KV / Line-Line; Criteria A		
传导抗扰度 Conducted		IEC/EN61000-4-6	Level 3 10Vrms; Criteria A		
磁场抗扰度 Magnetic Field		IEC/EN61000-4-8	Level 4 30A/m; Criteria A		
电压暂降、跌落和中断 Voltage Dips and Interruptions		IEC/EN61000-4-11	0% dip 10mS(110Vac); Criteria B 0% dip 20mS(220Vac); Criteria B 70% dip 500mS; Criteria B 0% dip 5000mS; Criteria B		
其它 Others	质保期 Warranty	3Years			
	MTBF	Telcordia SR-332 (Bellcore) ≥500K hrs			
	尺寸 SIZE	17.5mm*90mm*58.4mm(W* H * D)			
	包装 Packing	0.063KG; 114PCS/Box			
备注 Remark	<p>1. 如未特别说明，所有规格参数均在输入为 230Vac，额定负载，25°C环境温度下进行测量，详见测试报告。 Unless otherwise specified, all spec. are measured at 230Vac, rated load, Ta=25°C, Please refer to the test report.</p> <p>2. 输出电压的精度包含设定误差、线性调整率和负载调整率 The voltage stability includes setting error, linear regulation and load regulation</p> <p>3. 当产品工作于海拔 2000m 以上时，环境温度需降额 5°C/1000m When the power supply is working above an altitude of 2000m, the Ta must be derated by 5°C/1000m</p> <p>4. 产品在任何稳态工作条件下，总功率不应超出标示的额定功率且输出电流不应超出额定输出电流。 Under any operating conditions, the total power should not exceed the rated power indicated and the output current should not exceed the rated output current.</p> <p>5. 纹波和噪声的测试方法采用双绞线连接，输出并联 47uF 低 ESR 电容和 0.1uF 陶瓷电容，在 20MHz 带宽下进行量测。 The test method of ripple and noise is connected by twisted pair, the output is in parallel with 47uF low ESR capacitor and 0.1uF ceramic capacitor, and the measurement is carried out at 20MHz bandwidth.</p> <p>*产品免责声明:产品最终解释权归长城电源技术有限公司所有 详细请参阅网址 https://www.gwpst.cn/ *Disclaimer: The final interpretation rights of the product belong to Great Wall Power Supply Technology Co., Ltd. Details please refer to https://www.gwpst.cn/</p>				

■ 降额曲线 Derating Curve

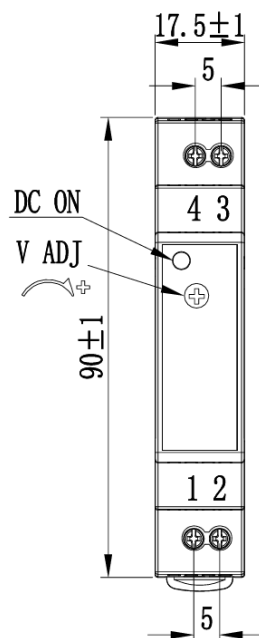
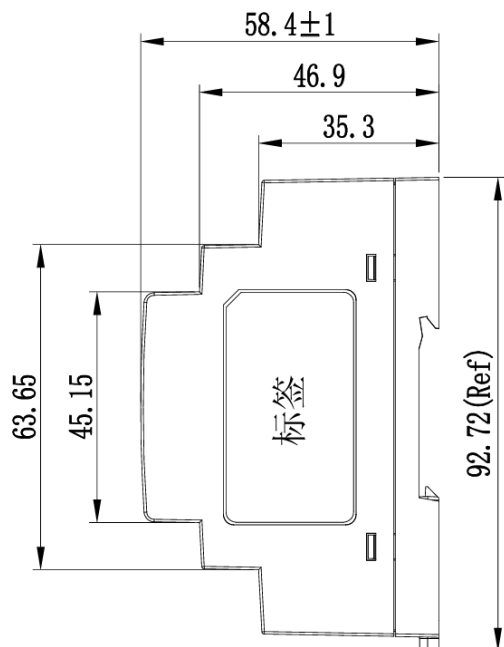


■ 方框图 Block Diagram

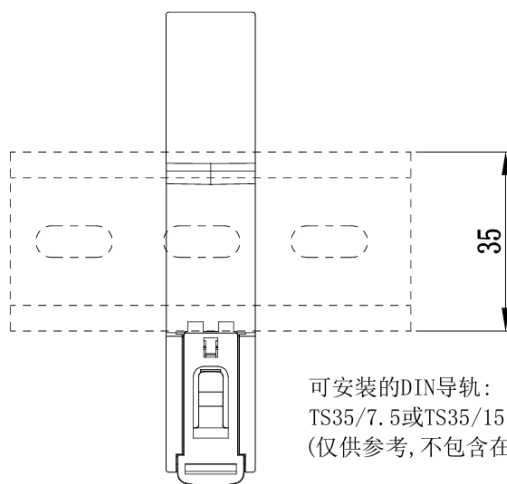


结构参数 Mechanical Overview

■ 结构尺寸 Shape Size



引脚功能	
引脚	功能
1	AC (N)
2	AC (L)
3	+V
4	-V



可安装的DIN导轨:
TS35/7.5或TS35/15
(仅供参考, 不包含在电源中)

* 安装手册请查阅网址: <https://www.gwpst.cn/>

* Installation manual, please refer to web.: <https://www.gwpst.cn/>