



■Key Features

- Universal input:100-240Vac (90-264Vac)
- Complete protection function:
OCP, OVP, OTP, SCP
- High efficiency: Meets DOE VI
COC V5 TIER2
- ESD:Air $\pm$ 15KV Contact $\pm$ 8KV
- Power-factor correction: PF >0.95
- Working below altitude 5000m
- Power indicating lamp
- 100% full load aged
- Multiple inlets & structures: C8,
C14, C6. And wired on both ends

APPLICATIONS

AD signage Printer Vendor machine Lamp
Energy storage power Monitor Projector
Laptop Stereo Massage chair

■Safety certificates

- Chinese: CCC
- American: UL FCC
- European: CB CE GS
- UK: UKCA
- Japanese: PSE

■Excutive Standard

- CCC :GB4706.1
- UL :UL 62368-1
- EU :EN 62368-1
- UK :BS EN 62368-1
- PSE: J 62368-1

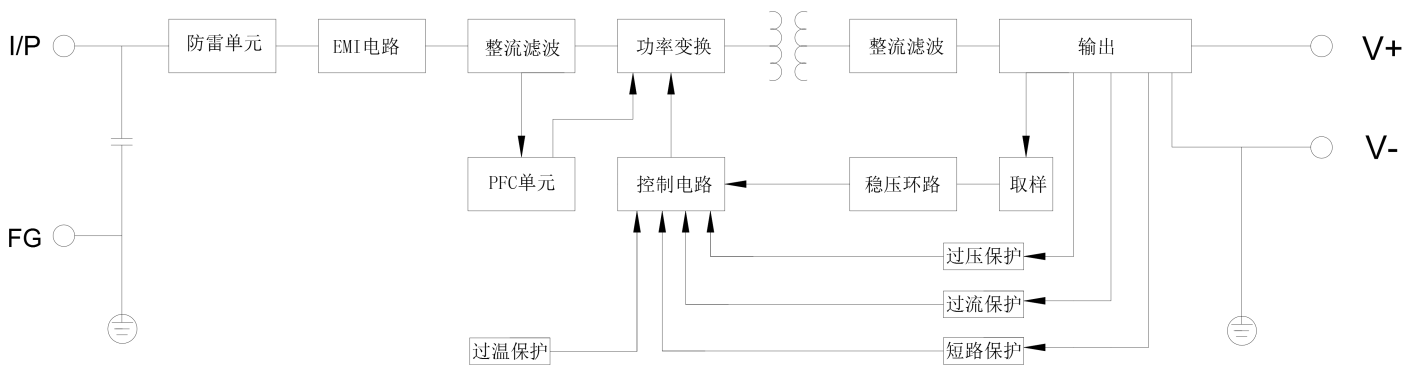
■ Model list and output rating

Model No.	Input rating	Output voltage(Vdc)	Output current(A)	Max output power(W)
GW100W-XXXYYYM2 GW100W-XXXYYYM3 GW100W-xxxyyyW2Z GW100W-xxxyyyW3Z	100-240V ~ 50/60HZ,1.3A or 100-120V ~ 50/60HZ,1.3A or 200-240V ~ 50/60HZ,1.3A	12.0-17.9V	0.01-7.5A	90W
		18.0-26.0V	0.01-5.5A	100W
		26.1-36.0V	0.01-3.8A	100W

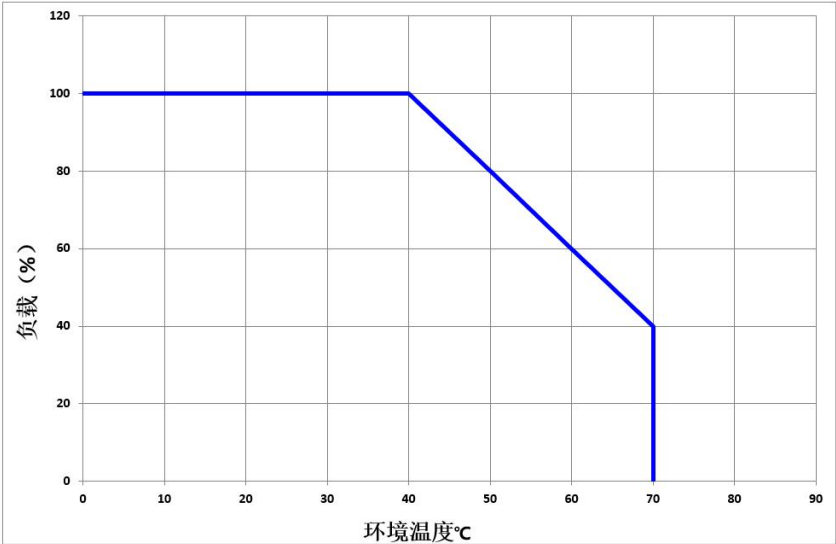
■ SPECIFICATION

Input Characteristics	Rated input voltage	100-240Vac
	Operating range	90-264Vac
	Rated input current	1.3A
	input frequency	50-60Hz +/-3Hz
	No load consumption	<0.21W
Output	output voltage	12-36Vdc(Can be defined per demand)
	output current	0.01-7.5A(Can be defined per demand)
	Line regulation	Rated voltage $\pm 5\%$
	Load regulation	Rated voltage $\pm 5\%$
	Ripple and noise	150mVp-p Max
	Turn on delay time	$\leq 3S$
	Rise time	100mS max
	Hold up time	10mS min
	Over-shoot	Rated voltage 10% max
	Efficiency	Meets DOE VI COC V5 TIER2
Protection Characteristics	Over voltage protection	The power supply shall be hiccup mode, when the output is over voltage, and the power supply shall not be damaged
	Over current protection	The output shall hiccup when the over current occurs, and shall be self-recovery when the fault condition is removed
	Short circuit protection	The input power shall decrease when the output is short to GND; the power supply shall not damage, and shall be self-recovery when the fault condition is removed
	Over temperature protection	Output shuts down. After the fault is eliminated, AC input should be interrupted and reconnected again to restore normal condition
Environmental factors	Working Temperature	0....+40°C
	Storage temperature	-20....+80°C
	Working humidity	10%~90% (Non Condensing)
	Storage humidity	10%~90% (Non Condensing)
Safety Standards	Dielectric Strength(Hi-pot)	1500Vac 10mA 60S or 2121Vdc 5mA 60S
	Insulation Resistance	20M Ω min at 500V DC

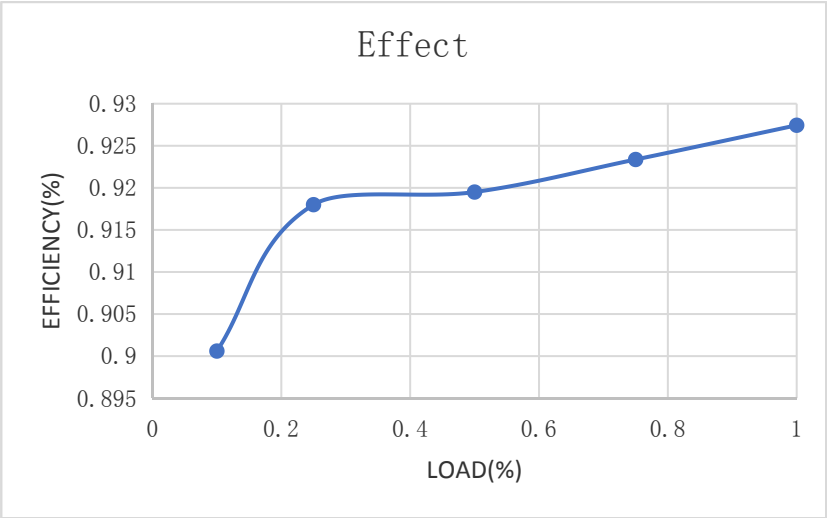
■ Block diagram



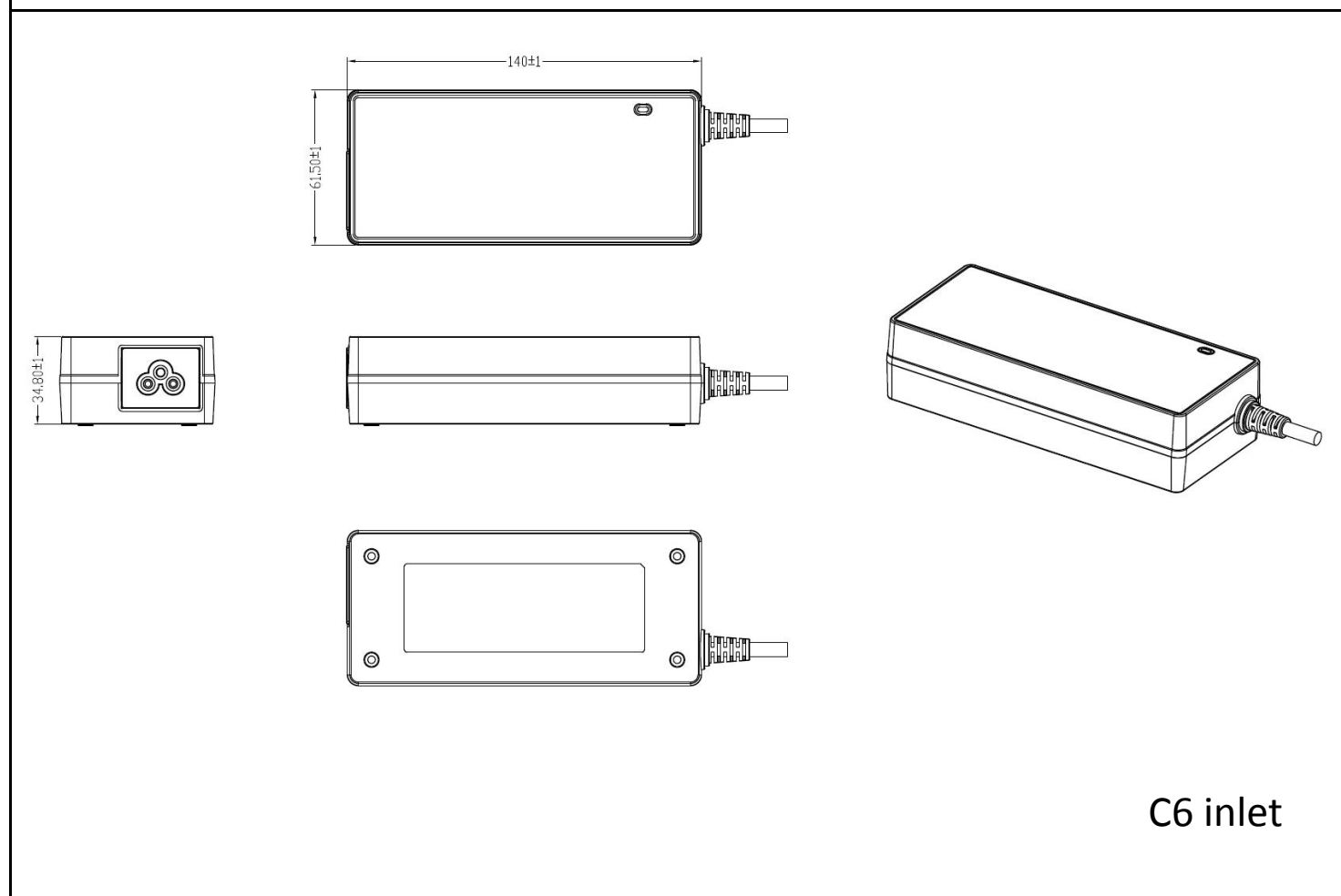
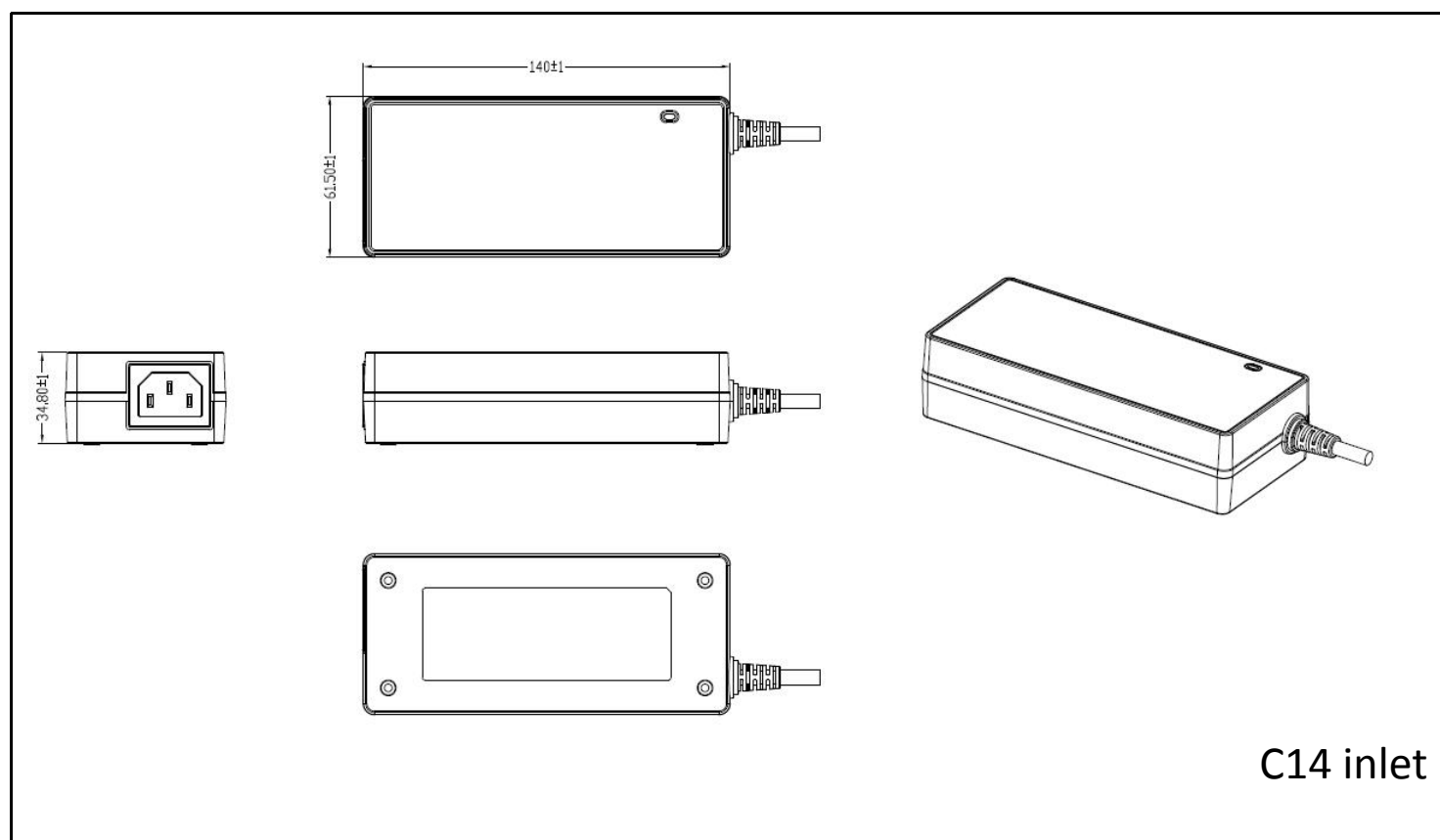
■ Derating Curve



■ Efficiency Curve



■ Appearance Drawing



■ Appearance Drawing

