

**FEATURES**

- Less than 150mW no-load power consumption and high efficiency.
- Meet LPS except +5V model, +24V model meet Class 2 Output.
- Altitude during operation up to 5000m.
- Main output Power ON LED indicators.
- Black anodized chassis coating available.
- 3 years warranty.



U channel

Enclosed

Din-Rail

Chassis with Black Anodized Coating

**ELECTRICAL SPECIFICATIONS**

- Input range : 90 - 305VAC
- Frequency : 47 - 63Hz.
- Inrush current : <35A peak @ 115VAC; <65A peak @230VAC cold start @25°C.
- Input current (rms) : 2.5A @115VAC; 1.25A @230VAC max.
- Average Efficiency : > 89% typical @full load, 115/230VAC.
- Maximum output power : 65Watts convection cooling.
- Hold-up time : > 10ms typical @full load, 115VAC.
- Short circuit protection : Auto-recovery.
- Over power protection : 105% to 160% maximum rating, Auto-recovery.
- Over voltage protection : Shutdown and latch off, AC recycle.

**RoHS compliant**

U-channel type

Dimension : L120.7 × W63.5 × H38.1 mm ( 4.75" x 2.50" x 1.50" )

Weight : 0.25 kgs. (0.55 lbs. )

Enclosed type

Dimension : L120.7 × W63.5 × H38.1 mm ( 4.75" x 2.50" x 1.50" )

Weight : 0.27 kgs. (0.60 lbs. )

Din-Rail type

Dimension : L120.7 × W63.5 × H47.2 mm ( 4.75" x 2.50" x 1.86" )

Weight : 0.29 kgs. (0.64 lbs. )

**ENVIRONMENTAL**

- Operating temperature : -10 to +70°C (Derate linearly 2.5% per °C from 51 to 70°C, Derate linearly 1.0% per °C from 0 to -10°C)
- Storage temperature: -20°C to +85°C.
- Operating Humidity: 10% to 95%, non-condensing
- Storage Humidity: 0% to 95%, non-condensing
- MTBF : > 100,000 hours @full load and 25°C ambient temperature per Telcordia (Bellcore TR-332).

**SAFETY STANDARDS**

UL/c-UL UL62368-1

TUV EN62368-1

CB IEC 62368-1

**EMC STANDARDS**

FCC Class B

CISPR22 Class B

EN55032 Class B

CE

**DC OUTPUT & FEATURES**

Model No.	Output Voltage (V1)	Min. Load	Max. Load	Output Max. Watts	Output Regulation	Ripple & Noise(Vp-p)	Efficiency Level	LPS
PW-040E-1Y050Z	+5V	0A	8.00A	40W	±3%	100mV	VI	
PW-065E-1Y120Z	+12V	0A	5.42A	65W	±3%	120mV	VI	●
PW-065E-1Y150Z	+15V	0A	4.34A	65W	±3%	150mV	VI	●
PW-065E-1Y180Z	+18V	0A	3.62A	65W	±3%	180mV	VI	●
PW-065E-1Y240Z	+24V	0A	2.71A	65W	±3%	240mV	VI	●
PW-065E-1Y280Z	+28V	0A	2.33A	65W	±2%	280mV	VI	●
PW-065E-1Y480Z	+48V	0A	1.36A	65W	±2%	280mV	VI	●
PW-065E-1Y540Z	+54V	0A	1.21A	65W	±2%	280mV	VI	●

**Note:**

1. Model options: Z = **U** U-channel Z = **E** Enclosed Z = **D** Din-Rail
2. Input/Output connector : Terminal block type, pitch 9.5mm
3. Ripple and noise are measured at oscilloscope 20MHz bandwidth by a 10uF electrolytic capacitor and a 0.1uF ceramic capacitor in parallel at output connector.
4. The output voltage is set by manufacturer.
5. The switching frequency of this series is set 65KHz at full load.



**SAFETY AGENCY CERTIFICATIONS**

**Safety and EMC Performance**

Description	Safety	EMC
Audio / Video, ITE equipment	IEC 62368-1 : 2014 (Second Edition) EN 62368-1 : 2014 + A11 UL 62368-1, 2nd Edition, 2014-12-01 CAN / CSA C22.2 No. 62368-1-14, 2nd Edition	EN 55032 & EN 55035 & FCC Part 15 (*) and ICES-003

Tests for conformance to this requirement will be performed with final system

(\*) FCC PART 15 compliance information and warnings :

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions :

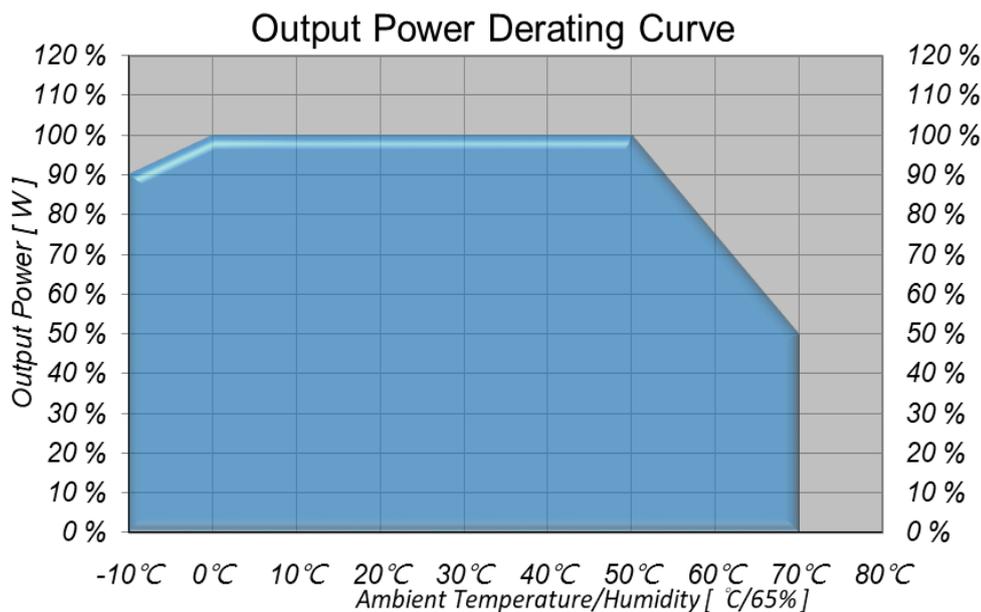
- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

**Insulation level and dielectric withstand (HI-POT)**

Audio / video, ITE equipment	Isolation voltage	Grade insulation
Primary to Secondary	4242Vdc (3000Vac)	Reinforced
Primary to Ground (Mounting holes or Frame GND)	2121Vdc (1500Vac)	Basic

**ENVIRONMENTAL**

**DERATING CURVE**



**POWER-WIN TECHNOLOGY CORP.**

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REV.1.5

**MECHANICAL SPECIFICATION**

**MATCHING CONNECTORS**

**CN1: Input Connector**

(T) 3-Pole Terminal block pitch: 9.5mm,  
rate 20A/300V

Pin #	Signal
1	AC GND
2	AC Neutral
3	AC Line

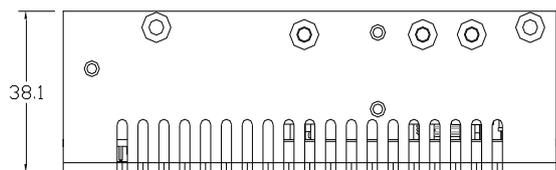
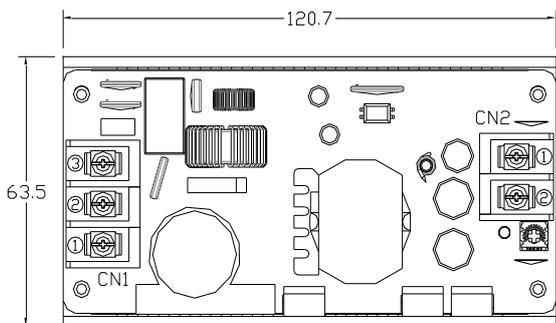
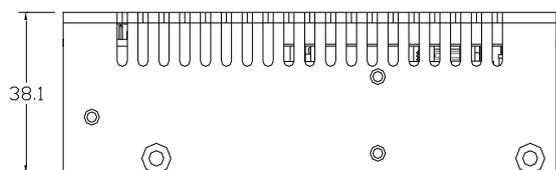
**CN2: Output Connector**

(T) 2-Pole Terminal block pitch: 9.5mm,  
rate 20A/300V

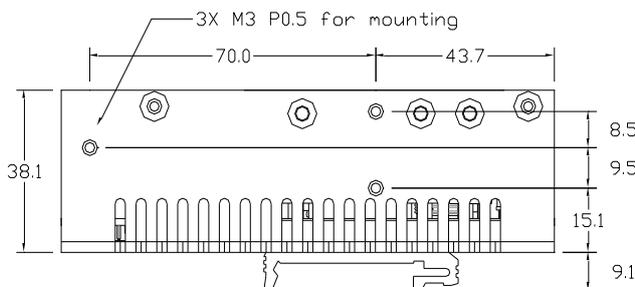
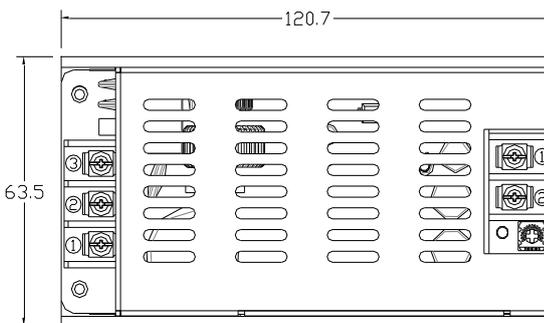
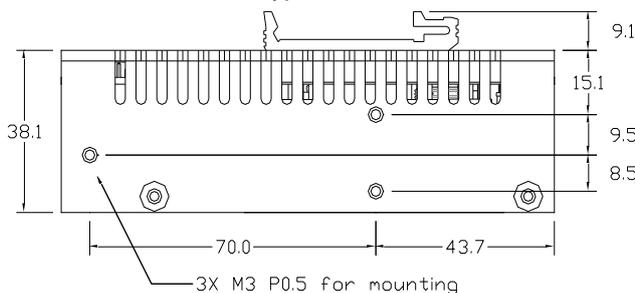
Pin #	Signal
1	+Vout
2	GND

**Dimension**

U-channel type



Din-Rail type



Notes: 6X M3 screw mounting holes max. depth 2.5"

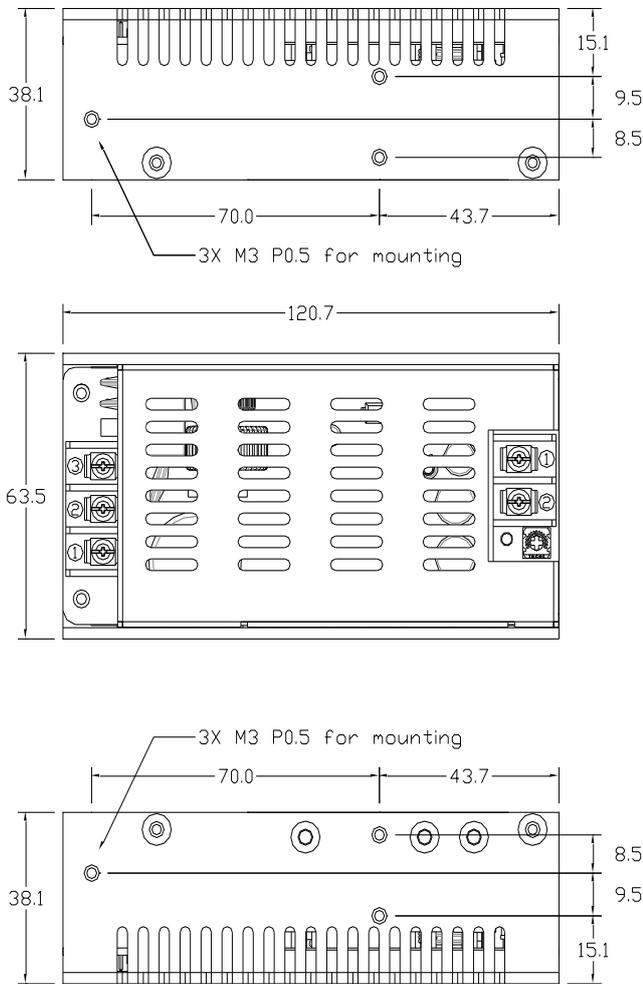
Unit : mm



**MECHANICAL SPECIFICATION**

**Dimension**

Enclosed type



Notes: 6X M3 screw mounting holes max. depth 2.5"

Unit : mm

