

External Plug In Adaptor **multicomp**^{PRO}



**RoHS
Compliant**

Input Characteristics

Rated Input Voltage	: 100V AC to 240V AC
Variable input voltage	: 90V—264V AC
Input Current	: 0.6A max when input rated voltage and output rated load.

Input Frequency

Rate Frequency	: 50Hz / 60Hz
Variation Frequency	: 47Hz to 63Hz
In-rush Current	: 60A mps Max Cold start at 240V AC input , with rated load and 25°C ambient.
AC leakage Current	: 0.25mA Max .At 240V AC input

Output Characteristics

Rated Output Power	: 24W
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Combined Load/line Regulation

Voltage	: 24V
Min. Load	: 0A
Max Load	: 1A
Load Regulation	: 22.8V to 25.2V
Unload output voltage	: 22.8V to 25.2V
Efficiency	: 115V AC input, the average efficiency ≥86.2% output rated load is 25%, 50%, 75%, 100% 4 situations of average efficiency 230V ACdt, the average efficiency ≥86.2% output rated load is 25%, 50%, 75%, 100% 4 situations of average efficiency 115V AC/230V AC input, the reference is 72.88%. Is 10% of the output rated load.
Unload standby Power	: 0.1W Max

Ripple And Noise

Ripple & Noise	: Measurement is done by 20MHz bandwidth oscilloscope and the output paralleled a 0.1uF ceramic capacitor and a 47uF electrolysis capacitor. (test under the condition of rated input and rated output)
Voltage	: +24V
current	: 1000mA
Ripple And Noise(Max)	: 180m Vp-p
Turn On Delay Time	: 3 second max. at 100V AC input and output Max. Load
Rise Time	: 100ms max. at 100V AC input and output Max. Load
Hold Up Time	: 5ms min. at100V AC input and output Max. Load.
Overshoot	: 10% max. When power supply on or turn off.

Protection Function

Short circuit protection	: The Power Supply will be auto recovered when short circuit faults remove.
Over current Protection	: The output shall hiccup when the over currents applied to the output trail, and shall be self-recovery when the fault condition is removed

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Over Voltage Protection

The power supply shall protection when the output over voltage. The output shall latched and shall be recovery when the fault condition is removed and power on again.

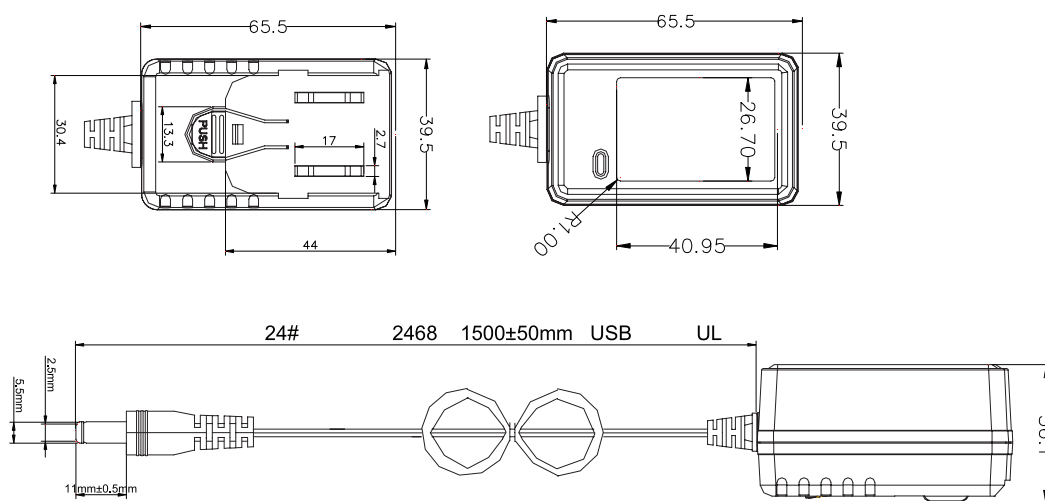
Environmental Requirements

Operating Temperature	: 0°C to +35°C, Full Load, Normal Operation.
Storage temperature	: With enclosure: -20°C to +70°C
Relative Humidity	: 5% (0°C)~90% (35°C) 72h Full Load, Normal operating.

Vibration

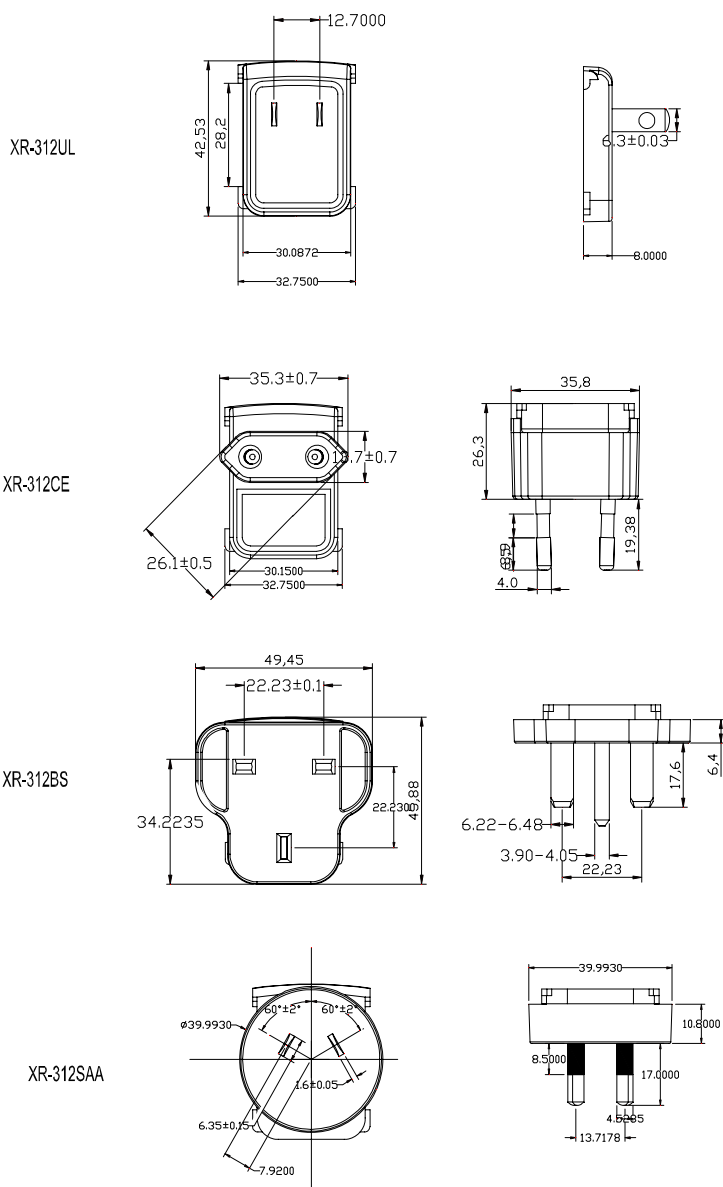
Operating	: IEC 721-3-3 3M3 5~9Hz, A=1.5mm (9~200Hz, Acceleration 5m/s ²)
Transportation	: IEC 721-3-2 2M2 5~9Hz, A=3.5mm 9~200Hz , Acceleration=5 m/s ² 200~500Hz, Acceleration=15 m/s ²
Axes, 10 cycles per axis	: No permanent damage occur during testing. The product has to restore to its original situation after power off/on

Outlook Drawing Drawing (Common difference: ±0.5mm)



Dimensions : Millimetres

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Part Number Table

Description	Part Number
Desk Top Adaptor, AC-DC, 24W	MP012108

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