

160 ~ 180 Watts Single Output AC-DC Adaptor Desktop Type

FEATURES

- ◆ 100~240 VAC Universal Input
- ◆ Active PFC function
- ◆ LED Indicator
- ◆ Protections: OCP, OVP, Short Circuit, Over Temperature
- ◆ Energy efficiency level VI or CoC Tier II
- ◆ No load power consumption $\leq 0.21\text{W(VI)}$, $\leq 0.15\text{W(Tier II)}$
- ◆ MTBF > 100K hours

SAFETY LIST

UL/cUL: UL 62368-1, 2nd Ed, 2014-12-01, FCC: Part 15B ; CAN/CSA C22.2 No. 62368-1-14
2nd Ed, Issued: 2014-12-01, ICES-003 Issue 7

CB: IEC 62368-1: 2014

CE-LVD (EN62368-1:2014+A11:2017), EMC (EN55032/EN55035)

UKCA-LVD (BS EN62368-1:2014+A11:2017), EMC (BS EN55032/BS EN55035)

PSE: J62368-1, J55032

CCC: GB 17625.1-2012, GB 4943.1-2011, GB/T 9254-2008

SPECIFICATIONS

Input Voltage.....	100~240VAC
Input Frequency.....	50~60Hz
Input Current.....	2.5A max.
Inrush Current.....	60A/100VAC ; 120A/230VAC
Turn On / Hold Up Time.....	3s max. / 8.3ms min.
Operating Temperature.....	0°C to +40°C
Storage Temperature	-20°C to +85°C
Operating Humidity.....	10% to 90%
Storage Humidity.....	5% to 95%
Short Circuit, Over current protection.....	Auto Recovery/Latch off
Over Voltage, Over Temp. Protection.....	Latch-Off

All specifications are typical at nominal line, full load and 25°C;
unless otherwise noted.



Model Number	Output Voltage (VDC)	Output Current (A) max.	R & N Vp-p(mV) max.	Max. Watts
FHA160-SMMM-x	12-16	13.33	240	160W
FHA160-SMMM-x	19-24	8.42	360	160W
FHA170-SMMM-x	19-24	8.94	360	170W
FHA180-SMMM-x	19-24	9.47	360	180W
FHA180-SMMM-x	32-42	5.62	630	180W
FHA180-SMMM-x	44-56	3.75	840	180W

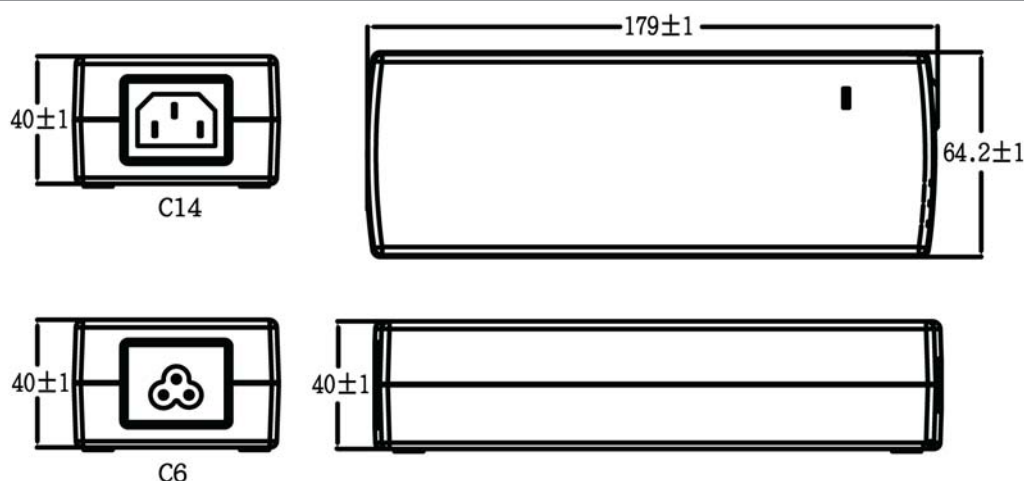
Ordering Information:

- * x for AC inlet type, it can be 4, or 6 ; 4=IEC C14, 6=IEC C6
- * MMM is from 120 to 160, 190 to 240, 320 to 420, 440 to 560 which represents the output voltage in volt after dividing by 10 in a step of 0.1V for example 120 represents the output voltage is 12.0Vdc 560 represents the output voltage is 56.0Vdc.

NOTE:

1. R & N is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal load.
2. Max. Power (W) $\cong V_o \times I_o$

MECHANICAL DRAWING (Unit: mm)

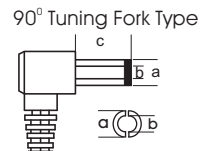
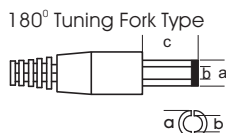


DC Connector :

x	a x b x c
01	5.5 x 2.1 x 9 mm
02	5.5 x 2.1 x 10 mm
03	5.5 x 2.1 x 11 mm
04	5.5 x 2.5 x 9 mm
05	5.5 x 2.5 x 10 mm
06	5.5 x 2.5 x 11 mm

※ Other DC jack can also be customized by extra charge

Barrel jack for < 8A only



Power Mini Din for $\geq 8\text{A}$

