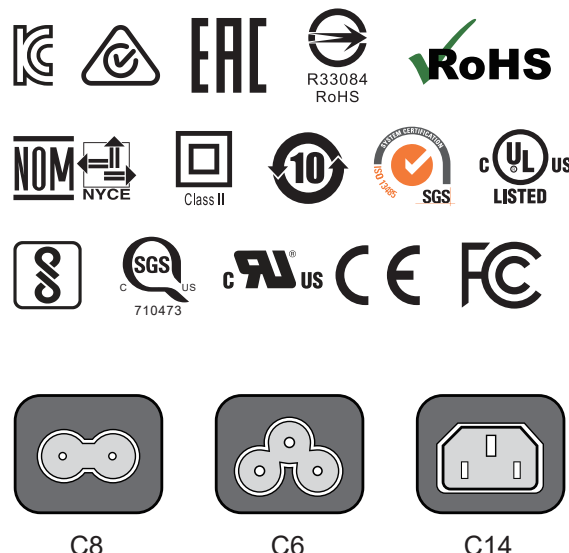


PHIHONG







100W Medical Grade Adapter



Case Color : Black



Compatibility Guide

AC Input	Description	Connector	Connecting Cable	Description
	Two-wire Input (C8)		AC15WNA AC15WEU AC15WUK	C8 North America power cord C8 Continental Europe power cord C8 United Kingdom Power cord
	Three-wire Input (C6)		AC30MNA	C6 North America power cord "Mickey Mouse"
	Three-wire Input (C14)		AC30UNA AC30UEU AC30UUK	C14 North America power cord C14 Continental Europe power cord C14 United Kingdom power cord

Features

- Meet DoE Level VI efficiency requirements and CoC Tier II
- No-load input power meets CoC
- All specifications meet 2MOPP standard
- Low leakage current meets B & BF types
- Operating temperature -10°C ~ +40°C
- High reliability

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Applications

- Medical Treatment System
- Analyzer & Others

Model Name		MA100X-120A-R*	MA100X-240A-R*	MA100X-480A-R*
AC input	Input voltage	80Vac ~ 264Vac	80Vac ~ 264Vac	80Vac ~ 264Vac
	Nominal Voltage	115Vac ~ 230Vac	115Vac ~ 230Vac	115Vac ~ 230Vac
	Input frequency	47Hz~63Hz	47Hz~63Hz	47Hz~63Hz
	AC Input current	1.3A(rms) Max. @115Vac	1.3A(rms) Max. @115Vac	1.3A(rms) Max. @115Vac
	AC Inrush Current	220A Max. @ 264Vac	220A Max. @ 264Vac	220A Max. @ 264Vac
	Power consumption	150mW Max. @ 115Vac/230Vac	150mW Max. @ 115Vac/230Vac	150mW Max. @ 115Vac/230Vac
	Average Efficiency	89% Min	89% Min	89% Min
DC output	Output Voltage	12V	24V	48V
	Output Current	8.34A	4.17A	2.08A
	Ripple and noise	120mV	240mV	480mV
	Turn on delay time	< 2s	< 2s	< 2s
	Rise time	< 80ms	< 80ms	< 80ms
	Overshoot	< 12.6V / 10ms	< 26.4V / 10ms	< 50.4V / 10ms
	Hold up time	>16mS at 115Vac/230Vac, Full Load	>16mS at 115Vac/230Vac, Full Load	>16mS at 115Vac/230Vac, Full Load
Protection	OVP	<16V	<31.2V	<62.4V
	OCP	<14A	<7.5A	<4.5A
	SCP/OTP	Latch off mode	Latch off mode	Latch off mode
Environmental	Operating temperature	-10°C to 40°C	-10°C to 40°C	-10°C to 40°C
	Storage temperature	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C
	Operating humidity	5% to 95% R. H	5% to 95% R. H	5% to 95% R. H
	Storage humidity	95% R. H	95% R. H	95% R. H
	Mean time between failures	150K hrs. Min. (MIL-HDBK-217F) at full load and 25°C Ambient @230Vac 50Hz	150K hrs. Min. (MIL-HDBK-217F) at full load and 25 °C Ambient @230Vac 50Hz	150K hrs. Min. (MIL-HDBK-217F) at full load and 25 °C Ambient @230Vac 50Hz
Safety compliance	Leakage Current	< 100μA under normal condition at 264Vac/50Hz	< 100μA under normal condition at 264Vac/50Hz	< 100μA under normal condition at 264Vac/50Hz
	Dielectric withstand voltage	I/P-O/P:4.4KVAC, O/P-FG: 2KVAC, O/P - FG:0.5KVAC	I/P-O/P:4.4KVAC, O/P-FG: 2KVAC, O/P - FG:0.5KVAC	I/P-O/P:4.4KVAC, O/P-FG: 2KVAC, O/P - FG:0.5KVAC
	Insulation resistance	I/P - O/P: 500Vdc 100M ohm/25°C/70%RH	I/P - O/P: 500Vdc 100M ohm/25°C/70%RH	I/P - O/P: 500Vdc 100M ohm/25°C/70%RH
Mechanical	Dimension	152x73x37mm	152x73x37mm	152x73x37mm
	DC output cable	UL2464 18AWG: 1000mm±50 mm	UL2464 16AWG: 1500mm±50 mm	UL2464 18AWG: 1500mm±50 mm
	AC Inlet	C6, C8, C14	C6, C8, C14	C6, C8, C14

Remark: X=M, W, U (C6, C8, C14)



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