Certificate Number Report Reference Date	UL-CA-2229478-0 E235235-20220714 20-Jul-2022
Issued to:	MORNSUN GUANGZHOU SCIENCE & TECHNOLOGY CO., LTD. No.8, Nanyun Road 4, Huangpu District GUANGZHOU, GUANGDONG 510670 China
This is to certify that representative samples of	QQJQ8 - Power Supplies for Use with Audio/Video, Information and Communication Technology Equipment Certified for Canada - Component See Addendum Page for Product Designation(s).
	Have been evaluated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.
Standard(s) for Safety:	CSA C22.2 No. 62368-1:19, 3rd Ed., Issue Date: 2019-12- 13, Revision Date: 2021-10-22
Additional Information:	See the UL Online Certifications Directory at https://iq.ulprospector.com for additional information

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Recognized Component Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.

Barney

Bruce Mahrenholz, Director North American Certification Program

Certificate Number Report Reference Date UL-CA-2229478-0 E235235-20220714 20-Jul-2022

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Model	Category Description
QA123-1509R3*, ("*" means blank or "-TR" or "-xy",	DC-DC converter
among them: the"-TR" model represents that the product	
is packaged as a tap package, the "-xy" model	
represents a customer model, "x" means anyletter from	
A to Z, and "y" means any number from 0 to 9. These	
suffixes represent variations or selections that are not	
related to safety.)	
QA123C-1502R3*, ("*" means blank or "-TR" or "-xy",	DC-DC converter
among them: the"-TR" model represents that the product	
is packaged as a tap package, the "-xy" model	
represents a customer model, "x" means anyletter from	
A to Z, and "y" means any number from 0 to 9. These	
suffixes represent variations or selections that are not	
related to safety.)	
QA123C-1504R3*, ("*" means blank or "-TR" or "-xy",	DC-DC converter
among them: the"-TR" model represents that the product	
is packaged as a tap package, the "-xy" model	
represents a customer model, "x" means anyletter from	
A to Z, and "y" means any number from 0 to 9. These	
suffixes represent variations or selections that are not	
related to safety.)	
QA123C-1803R3*, ("*" means blank or "-TR" or "-xy",	DC-DC converter
among them: the"-TR" model represents that the product	
is packaged as a tap package, the "-xy" model	
represents a customer model, "x" means anyletter from	
A to Z, and "y" means any number from 0 to 9. These	
suffixes represent variations or selections that are not	
related to safety.)	
QA123C-2005R3*, ("*" means blank or "-TR" or "-xy",	DC-DC converter
among them: the"-TR" model represents that the product	
is packaged as a tap package, the "-xy" model	
represents a customer model, "x" means anyletter from	
A to Z, and "y" means any number from 0 to 9. These	
suffixes represent variations or selections that are not	
related to safety.)	
QA123H-1509R3*, ("*" means blank or "-TR" or "-xy",	DC-DC converter
among them: the"-TR" model represents that the product	
is packaged as a tap package, the "-xy" model	
Alle	(0,)
	<u>, i, i,</u>
alz Director North American Certification Program	

Bruce Mahrenholz, Director North American Certification Program

UL LLC

R

Certificate Number Report Reference Date

UL-CA-2229478-0 E235235-20220714 20-Jul-2022

represents a customer model, "x" means anyletter from	
A to Z, and "y" means any number from 0 to 9. These	
suffixes represent variations or selections that are not	
related to safety.)	いいいいい
QA123HC-1504R3*, ("*" means blank or "-TR" or "-xy",	DC-DC converter
among them: the"-TR" model represents that the product	
is packaged as a tap package, the "-xy" model	
represents a customer model, "x" means anyletter from	
A to Z, and "y" means any number from 0 to 9. These	
suffixes represent variations or selections that are not	
related to safety.)	
QA123HC-2005R3*, ("*" means blank or "-TR" or "-xy",	DC-DC converter
among them: the"-TR" model represents that the product	Nu Nu Nu Nu Nu
is packaged as a tap package, the "-xy" model	
represents a customer model, "x" means anyletter from	
A to Z, and "y" means any number from 0 to 9. These	
suffixes represent variations or selections that are not	
related to safety.)	
QA153-1509R3*, ("*" means blank or "-TR" or "-xy",	DC-DC converter
among them: the"-TR" model represents that the product	Do Do converter
is packaged as a tap package, the "-xy" model	
represents a customer model, "x" means anyletter from	
A to Z, and "y" means any number from 0 to 9. These	
suffixes represent variations or selections that are not	
related to safety.)	
QA153C-1504R3*, ("*" means blank or "-TR" or "-xy",	DC-DC converter
among them: the"-TR" model represents that the product	DC-DC converter
is packaged as a tap package, the "-xy" model	
represents a customer model, "x" means anyletter from	
A to Z, and "y" means any number from 0 to 9. These	
suffixes represent variations or selections that are not	
related to safety.) QA153C-2005R3*, ("*" means blank or "-TR" or "-xy",	DC-DC converter
among them: the"-TR" model represents that the product	
is packaged as a tap package, the "-xy" model	
represents a customer model, "x" means anyletter from	
A to Z, and "y" means any number from 0 to 9. These	
suffixes represent variations or selections that are not	
related to safety.)	
QA153H-1509R3*, ("*" means blank or "-TR" or "-xy",	DC-DC converter
among them: the"-TR" model represents that the product	
is packaged as a tap package, the "-xy" model	
represents a customer model, "x" means anyletter from	
A to Z, and "y" means any number from 0 to 9. These	
suffixes represent variations or selections that are not	
related to safety.)	

Bamely

Bruce Mahrenholz, Director North American Certification Program

UL LLC

Certificate Number Report Reference Date UL-CA-2229478-0 E235235-20220714 20-Jul-2022

QA153HC-1504R3*, ("*" means blank or "-TR" or "-xy", among them: the"-TR" model represents that the product	DC-DC converter
is packaged as a tap package, the "-xy" model	
represents a customer model, "x" means anyletter from	
A to Z, and "y" means any number from 0 to 9. These	
suffixes represent variations or selections that are not	
related to safety.)	
QA153HC-2005R3*, ("*" means blank or "-TR" or "-xy",	DC-DC converter
among them: the"-TR" model represents that the product	
is packaged as a tap package, the "-xy" model	
represents a customer model, "x" means anyletter from	
A to Z, and "y" means any number from 0 to 9. These	
suffixes represent variations or selections that are not	
related to safety.)	
QA243-1509R3*, ("*" means blank or "-TR" or "-xy",	DC-DC converter
among them: the"-TR" model represents that the product	
is packaged as a tap package, the "-xy" model	
represents a customer model, "x" means anyletter from	
A to Z, and "y" means any number from 0 to 9. These suffixes represent variations or selections that are not	
related to safety.)	
QA243C-1504R3*, ("*" means blank or "-TR" or "-xy",	DC-DC converter
among them: the"-TR" model represents that the product	DC-DC converter
is packaged as a tap package, the "-xy" model	
represents a customer model, "x" means anyletter from	
A to Z, and "y" means any number from 0 to 9. These	
suffixes represent variations or selections that are not	
related to safety.)	
QA243C-2005R3*, ("*" means blank or "-TR" or "-xy",	DC-DC converter
among them: the"-TR" model represents that the product	
is packaged as a tap package, the "-xy" model	
represents a customer model, "x" means anyletter from	
A to Z, and "y" means any number from 0 to 9. These	
suffixes represent variations or selections that are not	
related to safety.)	
QA243H-1509R3*, ("*" means blank or "-TR" or "-xy",	DC-DC converter
among them: the"-TR" model represents that the product	
is packaged as a tap package, the "-xy" model	
represents a customer model, "x" means anyletter from	
A to Z, and "y" means any number from 0 to 9. These	
suffixes represent variations or selections that are not	
related to safety.)	<u> </u>
QA243HC-1504R3*, ("*" means blank or "-TR" or "-xy",	DC-DC converter
among them: the"-TR" model represents that the product	
is packaged as a tap package, the "-xy" model	
represents a customer model, "x" means anyletter from	
A to Z, and "y" means any number from 0 to 9. These	\sim

Bamples

Bruce Mahrenholz, Director North American Certification Program

UL LLC

Certificate Number Report Reference Date UL-CA-2229478-0 E235235-20220714 20-Jul-2022

suffixes represent variations or selections that are not	J_)(U_)(U_)(U_)(U_)(U_)(U_)(U_)(U_)(U_)(U
related to safety.)	55552
QA243HC-2005R3*, ("*" means blank or "-TR" or "-xy", among them: the"-TR" model represents that the product is packaged as a tap package, the "-xy" model represents a customer model, "x" means anyletter from A to Z, and "y" means any number from 0 to 9. These suffixes represent variations or selections that are not related to safety.)	DC-DC converter
QAW123-1509R3*, ("*" means blank or "-TR" or "-xy", among them: the"-TR" model represents that the product is packaged as a tap package, the "-xy" model represents a customer model, "x" means anyletter from A to Z, and "y" means any number from 0 to 9. These suffixes represent variations or selections that are not related to safety.)	DC-DC converter

Bamely

Bruce Mahrenholz, Director North American Certification Program

UL LLC

Certificate Number Report Reference Date UL-US-2230089-0 E235235-20220714 20-Jul-2022

Issued to: MORNSUN GUANGZHOU SCIENCE & TECHNOLOGY CO., LTD. No.8, Nanyun Road 4, Huangpu District GUANGZHOU, GUANGDONG 510670 China

This is to certify that representative samples of

QQJQ2 - Power Supplies for Use with Audio/Video, Information and Communication Technology Equipment -Component

See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

Standard(s) for Safety:	UL 62368-1, 3rd Ed., Issue Date: 2019-12-13, Revision Date: 2021-10-22
Additional Information:	See the UL Online Certifications Directory at https://iq.ulprospector.com for additional information

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Recognized Component Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.

" melly

Bruce Mahrenholz, Director North American Certification Program

Certificate Number Report Reference Date UL-US-2230089-0 E235235-20220714 20-Jul-2022

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Model	Category Description
QA123-1509R3*, ("*" means blank or "-TR" or "-xy",	DC-DC converter
among them: the"-TR" model represents that the product	
is packaged as a tap package, the "-xy" model	
represents a customer model, "x" means anyletter from	
A to Z, and "y" means any number from 0 to 9. These	
suffixes represent variations or selections that are not	
related to safety.)	
QA123C-1502R3*, ("*" means blank or "-TR" or "-xy",	DC-DC converter
among them: the"-TR" model represents that the product	
is packaged as a tap package, the "-xy" model	
represents a customer model, "x" means anyletter from	
A to Z, and "y" means any number from 0 to 9. These	
suffixes represent variations or selections that are not	
related to safety.)	
QA123C-1504R3*, ("*" means blank or "-TR" or "-xy",	DC-DC converter
among them: the"-TR" model represents that the product	
is packaged as a tap package, the "-xy" model	
represents a customer model, "x" means anyletter from	
A to Z, and "y" means any number from 0 to 9. These	
suffixes represent variations or selections that are not	
related to safety.)	
QA123C-1803R3*, ("*" means blank or "-TR" or "-xy",	DC-DC converter
among them: the"-TR" model represents that the product	
is packaged as a tap package, the "-xy" model	
represents a customer model, "x" means anyletter from	
A to Z, and "y" means any number from 0 to 9. These	
suffixes represent variations or selections that are not	
related to safety.)	
QA123C-2005R3*, ("*" means blank or "-TR" or "-xy",	DC-DC converter
among them: the"-TR" model represents that the product	
is packaged as a tap package, the "-xy" model	
represents a customer model, "x" means anyletter from	
A to Z, and "y" means any number from 0 to 9. These	
suffixes represent variations or selections that are not	
related to safety.)	
QA123H-1509R3*, ("*" means blank or "-TR" or "-xy",	DC-DC converter
among them: the"-TR" model represents that the product	
is packaged as a tap package, the "-xy" model	
	/II. Y
The second	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

Bruce Mahrenholz, Director North American Certification Program

UL LLC

15

Certificate Number Report Reference Date UL-US-2230089-0 E235235-20220714 20-Jul-2022

represents a customer model, "x" means anyletter from	
A to Z, and "y" means any number from 0 to 9. These	
suffixes represent variations or selections that are not	
related to safety.)	NUNUNU
QA123HC-1504R3*, ("*" means blank or "-TR" or "-xy",	DC-DC converter
among them: the"-TR" model represents that the product	
is packaged as a tap package, the "-xy" model	
represents a customer model, "x" means anyletter from	
A to Z, and "y" means any number from 0 to 9. These	
suffixes represent variations or selections that are not	
related to safety.)	
QA123HC-2005R3*, ("*" means blank or "-TR" or "-xy",	DC-DC converter
among them: the"-TR" model represents that the product	
is packaged as a tap package, the "-xy" model	
represents a customer model, "x" means anyletter from	
A to Z, and "y" means any number from 0 to 9. These	
suffixes represent variations or selections that are not	
related to safety.)	
QA153-1509R3*, ("*" means blank or "-TR" or "-xy",	DC-DC converter
among them: the"-TR" model represents that the product	BO-DO converter
is packaged as a tap package, the "-xy" model	
represents a customer model, "x" means anyletter from	
A to Z, and "y" means any number from 0 to 9. These	
suffixes represent variations or selections that are not	
	DC-DC converter
	DC-DC convener
among them: the"-TR" model represents that the product	
is packaged as a tap package, the "-xy" model	
represents a customer model, "x" means anyletter from	
A to Z, and "y" means any number from 0 to 9. These	
suffixes represent variations or selections that are not	
related to safety.)	
QA153C-2005R3*, ("*" means blank or "-TR" or "-xy",	DC-DC converter
among them: the"-TR" model represents that the product	
is packaged as a tap package, the "-xy" model	
represents a customer model, "x" means anyletter from	
A to Z, and "y" means any number from 0 to 9. These	
suffixes represent variations or selections that are not	
related to safety.)	
QA153H-1509R3*, ("*" means blank or "-TR" or "-xy",	DC-DC converter
among them: the"-TR" model represents that the product	
is packaged as a tap package, the "-xy" model	
represents a customer model, "x" means anyletter from	
A to Z, and "y" means any number from 0 to 9. These	
suffixes represent variations or selections that are not	
related to safety.)	// - L // - L // - L // - I //

Bamely

Bruce Mahrenholz, Director North American Certification Program

UL LLC

Certificate Number Report Reference Date UL-US-2230089-0 E235235-20220714 20-Jul-2022

QA153HC-1504R3*, ("*" means blank or "-TR" or "-xy", among them: the"-TR" model represents that the product	DC-DC converter
is packaged as a tap package, the "-xy" model	
represents a customer model, "x" means anyletter from	
A to Z, and "y" means any number from 0 to 9. These	
suffixes represent variations or selections that are not	
related to safety.)	
QA153HC-2005R3*, ("*" means blank or "-TR" or "-xy",	DC-DC converter
among them: the"-TR" model represents that the product	DC-DC converter
is packaged as a tap package, the "-xy" model	
represents a customer model, "x" means anyletter from	
A to Z, and "y" means any number from 0 to 9. These	
suffixes represent variations or selections that are not	
related to safety.)	
QA243-1509R3*, ("*" means blank or "-TR" or "-xy",	DC-DC converter
among them: the"-TR" model represents that the product	
is packaged as a tap package, the "-xy" model	
represents a customer model, "x" means anyletter from	
A to Z, and "y" means any number from 0 to 9. These	
suffixes represent variations or selections that are not	
related to safety.)	
QA243C-1504R3*, ("*" means blank or "-TR" or "-xy",	DC-DC converter
among them: the"-TR" model represents that the product	
is packaged as a tap package, the "-xy" model	
represents a customer model, "x" means anyletter from	
A to Z, and "y" means any number from 0 to 9. These	
suffixes represent variations or selections that are not	
related to safety.)	
QA243C-2005R3*, ("*" means blank or "-TR" or "-xy",	DC-DC converter
among them: the"-TR" model represents that the product	
is packaged as a tap package, the "-xy" model	
represents a customer model, "x" means anyletter from	
A to Z, and "y" means any number from 0 to 9. These	
suffixes represent variations or selections that are not	
related to safety.)	
QA243H-1509R3*, ("*" means blank or "-TR" or "-xy",	DC-DC converter
among them: the"-TR" model represents that the product	
is packaged as a tap package, the "-xy" model	
represents a customer model, "x" means anyletter from	
A to Z, and "y" means any number from 0 to 9. These	
suffixes represent variations or selections that are not	
related to safety.)	<u>\~L/~L/~L/~L/</u>
QA243HC-1504R3*, ("*" means blank or "-TR" or "-xy",	DC-DC converter
among them: the"-TR" model represents that the product	
is packaged as a tap package, the "-xy" model	
represents a customer model, "x" means anyletter from	
A to Z, and "y" means any number from 0 to 9. These	

Bamples

Bruce Mahrenholz, Director North American Certification Program

UL LLC

Certificate Number Report Reference Date UL-US-2230089-0 E235235-20220714 20-Jul-2022

20-501-2022	
suffixes represent variations or selections that are not related to safety.)	RXXXX
QA243HC-2005R3*, ("*" means blank or "-TR" or "-xy", among them: the"-TR" model represents that the product is packaged as a tap package, the "-xy" model represents a customer model, "x" means anyletter from A to Z, and "y" means any number from 0 to 9. These suffixes represent variations or selections that are not related to safety.)	DC-DC converter
QAW123-1509R3*, ("*" means blank or "-TR" or "-xy", among them: the"-TR" model represents that the product is packaged as a tap package, the "-xy" model represents a customer model, "x" means anyletter from A to Z, and "y" means any number from 0 to 9. These suffixes represent variations or selections that are not related to safety.)	DC-DC converter



Bruce Mahrenholz, Director North American Certification Program

UL LLC