



Product Service

# CERTIFICATE

No. Z2 013890 3307 Rev. 00

**Holder of Certificate:** **Astec International Ltd.**  
16th Floor, Lu Plaza, 2 Wing Yip Street  
Kwun Tong  
Kowloon  
HONG KONG

**Certification Mark:**



**Product:** **Switching power supply unit  
(Switching Power Supply)**

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** 6821019071902

**Valid until:** 2026-01-14

**Date,** 2021-01-15

( Yager Bi )



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**Model(s):** 73-954-0001-G2, 73-949-0001-G2,  
uMP04X-XXX-XXX-XXX-XXX-XX,  
uMP09X-XXX-XXX-XXX-XXX-XX  
(Where X is any alphanumeric characters for  
specific model designation, see model  
configuration for details)

## Parameters:

Rated Input:

For models 73-954-0001-G2 and uMP04X-XXX-XXX-XXX-XXX-XX:

100-240/200-240VAC, 8A Max., 50/60Hz or

120-350/254-350VDC, 6.5A Max. (DC input ONLY FOR I.T. EQUIPMENT)

For models 73-949-0001-G2 and uMP09X-XXX-XXX-XXX-XXX-XX:

100-240/200-240VAC, 9A Max., 50/60Hz or

120-350/254-350VDC, 6.5A Max. (DC input ONLY FOR I.T. EQUIPMENT)

Rated Output:

For model 73-954-0001-G2:

380V+10V/-20V RMS Square Wave, 500W Max. (for 100-240VAC and 120-350VDC input) or

380V+10V/-20V RMS Square Wave, 700W Max. (for 200-240VAC and 254-350VDC input)

For models uMP04X-XXX-XXX-XXX-XXX-XX:

400W Max. (for 100-240VAC and 120-350VDC input) or 600W Max. (for 200-240VAC and 254-350VDC input)

For model 73-949-0001-G2:

380V+10V/-20V RMS Square Wave, 700W Max. (for 100-240VAC and 120-350VDC input) or

380V+10V/-20V RMS Square Wave, 1300W Max. (for 200-240VAC and 254-350VDC input)

For models uMP09X-XXX-XXX-XXX-XXX-XX:

550W Max. (for 100-240VAC and 120-350VDC input) or 1100W Max. (for 200-240VAC and 254-350VDC input)

Protection Class: I

Degree of Protection: IPX0

Construction: Built-in



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No. Z2 013890 3307 Rev. 00

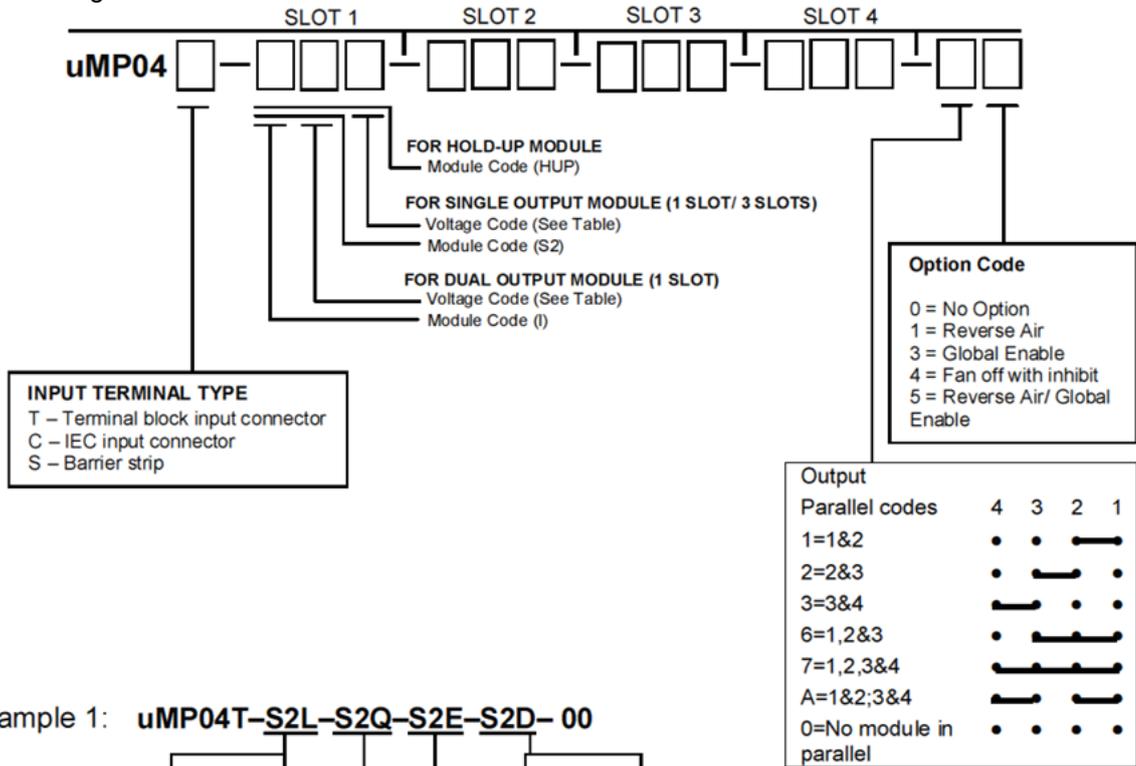
Remarks:

- When installing the equipment, all requirements of relevant standard must be fulfilled.
- Refer to the installation and operating instruction from manufacturer for the details of loading condition and operating temperature.
- Clearance distance was evaluated for operating altitude up to 3048m above sea level.
- The output is hazardous power source, when installing into end system, care must be taken that the output and associated wire(s) may not be touched.
- Built-in type equipment, suitable enclosure should be provided in end system.
- These power supplies have been evaluated according to EN 60601-1:2006/A1:2013 with the following conditions:
  - The output was not evaluated as patient connected circuits.
  - Compliance with the requirements for EMC shall be evaluated for the end use product.
  - These power supplies have been investigated only as a component part for use in equipment where the suitability of the combination is subject to end product investigation.
  - These power supplies are designed to be protectively earthed. Earthing connection and continuity test shall be checked in end product.
  - These power supplies must be installed in accordance with the instruction manual.
  - The leakage current test shall be checked in end product.
  - The risk management requirements of the standard were not addressed.
- Clearance/creepage distance and dielectric strength were evaluated and fulfilled the requirements for MOPP.

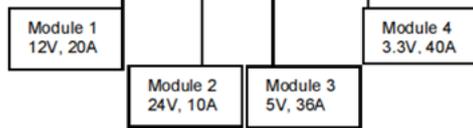
# CERTIFICATE

No. Z2 013890 3307 Rev. 00

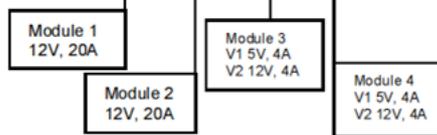
Model configuration of uMP04X-XXX-XXX-XXX-XXX-XX series:



Example 1: **uMP04T-S2L-S2Q-S2E-S2D-00**



Example 2: **uMP04T-S2L-S2L-IEL-IEL-00**



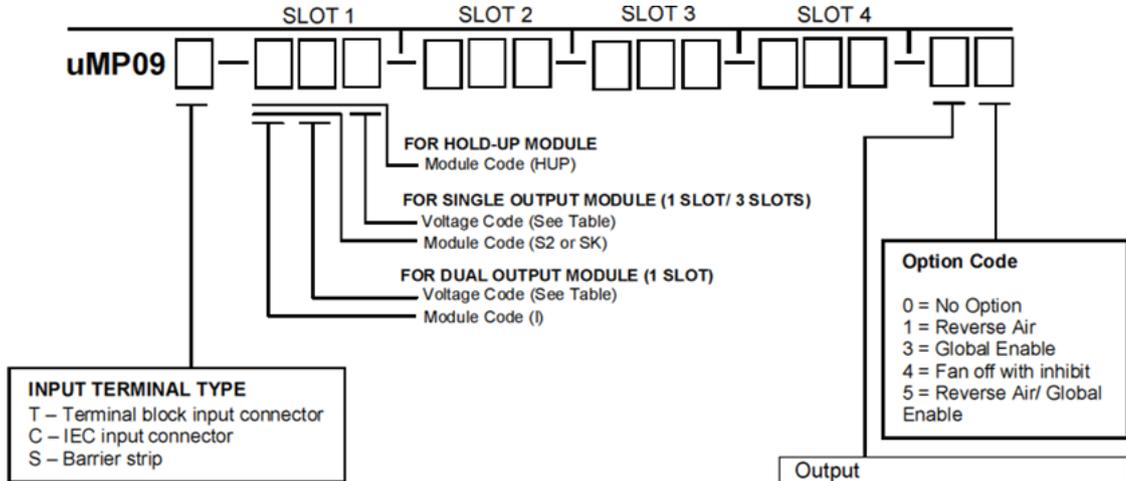
Example 4: 11V, 22A; Module code – **S2K** Output Voltage Code

Example 5: V1 5.0V, 4A; V2 12.0V, 4A; Module Code – **IEL** Output Voltage Code

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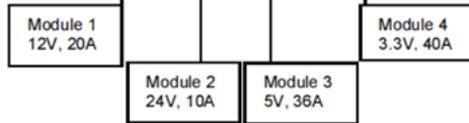
No. Z2 013890 3307 Rev. 00

Model configuration of uMP09X-XXX-XXX-XXX-XXX-XX series:

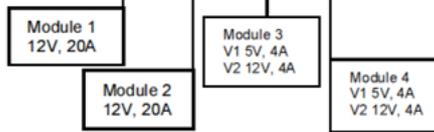


Output Parallel codes	4	3	2	1
1=1&2	•	•	—	
2=2&3	•	—	•	
3=3&4	—	•	•	
6=1,2&3	•	—	—	
7=1,2,3&4	—	—	—	
A=1&2;3&4	—	—	—	
0=No module in parallel	•	•	•	•

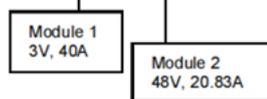
Example 1: **uMP09T-S2L-S2Q-S2E-S2D-00**



Example 2: **uMP09T-S2L-S2L-IEL-IEL-00**



Example 3: **uMP09T-S2C-SKW-00**



Example 4: 11V, 22A; Module code – **S2K** Output Voltage Code

Example 5: V1 5.0V, 4A; V2 12.0V, 4A; Module Code – **IEL** Output Voltage Code

# CERTIFICATE

No. Z2 013890 3307 Rev. 00

Module code and output voltage code of uMP04X-XXX-XXX-XXX-XXX-XX and uMP09X-XXX-XXX-XXX-XXX-XX:

## STANDARD OUTPUT RATINGS

Module Output Voltage Code	Single Output ONE SLOT 240 Watts Max	Single Output THREE SLOT 1000 Watts Max	Dual Output ONE SLOT 192 Watts Max	Hold-Up Module ONE SLOT
Module Identification	S2	SK	I	HUP

## VOLTAGE CODE TABLE

Code	Voltage Output (V)	SINGLE OUTPUT MODULE			DUAL OUTPUT MODULE			SINGLE OUTPUT 3-SLOTS MODULE			
		Output current for single output One Slot Module	Module	Max. Output power for Single Output One Slot Module (W)	Output Current For Dual Output One Slot Module		Module	Max Output Power For Dual Output One Slot Module (W)	Output Current For Single Output 3-Slots Module	Module	Max Output Power For Single Output 3-Slots Module (W)
		V1 (A)			V1 (A)	V2 (A)					
A	2.0V	40.0	73-961-0003	144	N/A		N/A	N/A	N/A	N/A	
B	2.2V	40.0									
C	3.0V	40.0									
D	3.3V	40.0	73-961-0005	180	4.0	4.0	73-962-0002	N/A	N/A	N/A	
E	5.0V	36.0			4.0	4.0					
F	5.2V	36.0			4.0	4.0					
G	5.5V	32.0			4.0	4.0					
H	6.0V	30.0	73-961-0012	240	4.0	4.0	73-962-0001 AND 73-962-0002	192	84	73-963-0012	1000
I	8.0V	25.0			4.0	4.0					
J	10.0V	24.0			4.0	4.0					
K	11.0V	22.0			4.0	4.0					
L	12.0V	20.0			4.0	4.0					
M	14.0V	17.0			4.0	4.0					
N	15.0V	16.0	4.0	4.0	84	73-963-0024	1000				
O	18.0V	13.0	4.0	4.0							
P	20.0V	12.0	73-961-0024	240	4.0	4.0	73-962-0002	192	42	73-963-0024	1000
Q	24.0V	10.0			4.0	4.0					
R	28.0V	8.6			3.4	3.4					
S	30.0V	8.0	73-961-0048	240	3.2	3.2	73-962-0002	N/A	21	73-963-0048	1000
T	33.0V	7.0			N/A						
U	36.0V	6.7			N/A						
V	42.0V	5.7			N/A						
W	48.0V	5.0			N/A						
X	54.0V	4.4			N/A						
Y	60.0V	4.0	N/A		20.83	18.5	16.7				



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**Tested  
according to:**

EN 62368-1:2014/A11:2017  
EN 60601-1:2006/A1:2013

**Production  
Facility(ies):**

028532, 049489, 062777, 064622, 072064, 080379, 080898,  
085205, 092570, 094674, 102651, 109634