



Product Service

# CERTIFICATE

No. Z2 16 07 13890 02727

**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. See also notes overleaf.

**Test report no.:** 682701500903

**Valid until:** 2021-07-20

**Date,** 2016-07-26

Page 1 of 6

  
 ( Yager Bi )





Product Service

**CERTIFICATE**

**No. Z2 16 07 13890 02727**

**Model(s):** 73-954-0001-G2, 73-949-0001-G2,  
 uMP04x-yyz-yyz-yyz-yyz-ab, uMP09x-yyz-yyz-yyz-yyz-ab  
 (See page 4-6 for details of the model description)

**Parameters:**

Rated Input :	For models 73-954-0001-G2 and uMP04x-yyz-yyz-yyz-yyz-ab: 100-240/200-240VAC, 50/60Hz, 8A or 120-350/254-350VDC, 6.5A (DC input for ITE only)
	For models 73-949-0001-G2 and uMP09x-yyz-yyz-yyz-yyz-ab: 100-240/200-240VAC, 50/60Hz, 9A or 120-350/254-350VDC, 6.5A (DC input for ITE only)
Rated output :	For model 73-954-0001-G2: 380+10/-20Vrms square wave, 500W Max. (for 100-240VAC and 120-350VDC input or 700W Max. (for 200-240VAC and 254-350VDC input); +5Vsb, 2A
	For models uMP04x-yyz-yyz-yyz-yyz-ab: 2.0-60.0VDC, 400W Max. (for 100-240VAC and 120-350VDC input) or 600W Max. (for 200-240VAC and 254-350VDC input); +5Vsb, 2A
	For model 73-949-0001-G2: 380+10/-20Vrms square wave, 700W Max. (for 100-240VAC and 120-350VDC input) or 1300W Max. (for 200-240VAC and 254-350VDC input); +5Vsb, 2A
	For models uMP09x-yyz-yyz-yyz-yyz-ab: 2.0-60.0VDC, 550W Max. (for 100-240VAC and 120-350VDC input) or 1100W Max. (for 200-240VAC and 254-350VDC input); +5Vsb, 2A
Protection Class :	I
Degree of protection :	IPX0
Construction :	Built-in
Remarks:	See page 3 for details.

**Tested according to:** EN 60601-1:2006/A1:2013  
 EN 60950-1:2006/A2:2013

**Production Facility(ies):** 62777, 28532, 94674, 92119, 80379, 52066, 64622, 85205,  
 80898, 92570, 72064, 49489



# CERTIFICATE

## No. Z2 16 07 13890 02727

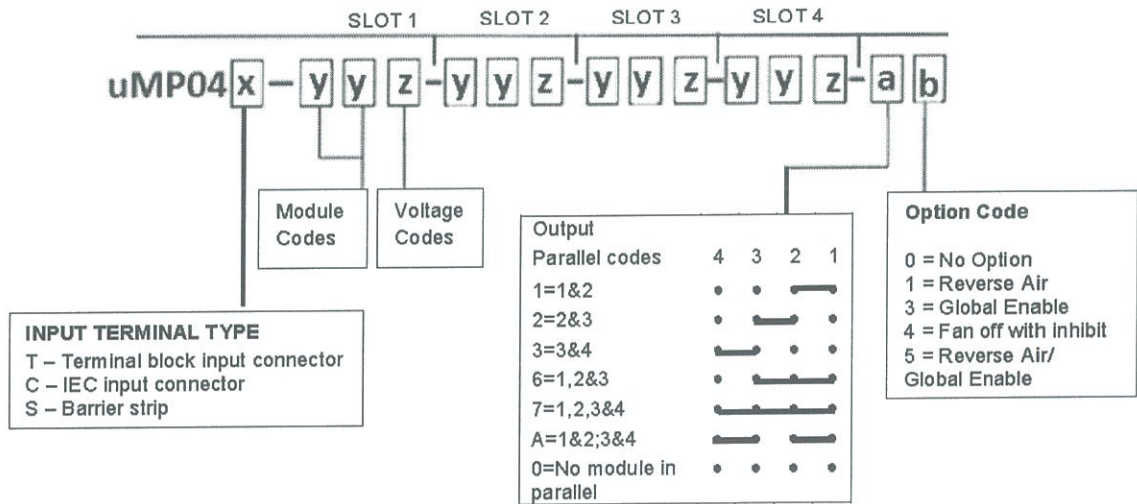


Product Service

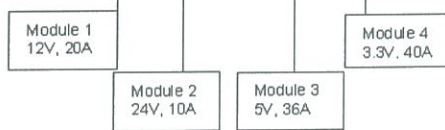
### Remark :

- When installing the equipment, all requirements of the mentioned standard must be fulfilled.
- Refer to the installation and operating instruction from manufacturer for the details of loading condition and operating temperature.
- Clearance was evaluated for operating altitude up to 3048m above sea level.
- These power supplies contain output exceeding 240VA, when installing into end system, care must be taken that the output and associated wires 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:
  - 1.The output was not evaluated as patient connected circuits.
  - 2.Compliance with the requirements for EMC shall be evaluated for the end use product.
  3. 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.
  - 4.These power supplies are designed to be protectively earthed. Earthing connection and continuity test shall be checked in end product.
  - 5.These power supplies must be installed in accordance with the instruction manual.
  - 6.The leakage current test shall be checked in end product.
  - 7.The risk management requirements of the standard were not addressed.
  - 8.Clearance/creepage distance and dielectric strength were evaluated and fulfilled the requirements for MOPP.

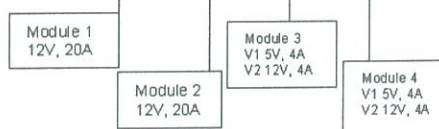
**Model configuration of uMP04x series:**



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



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



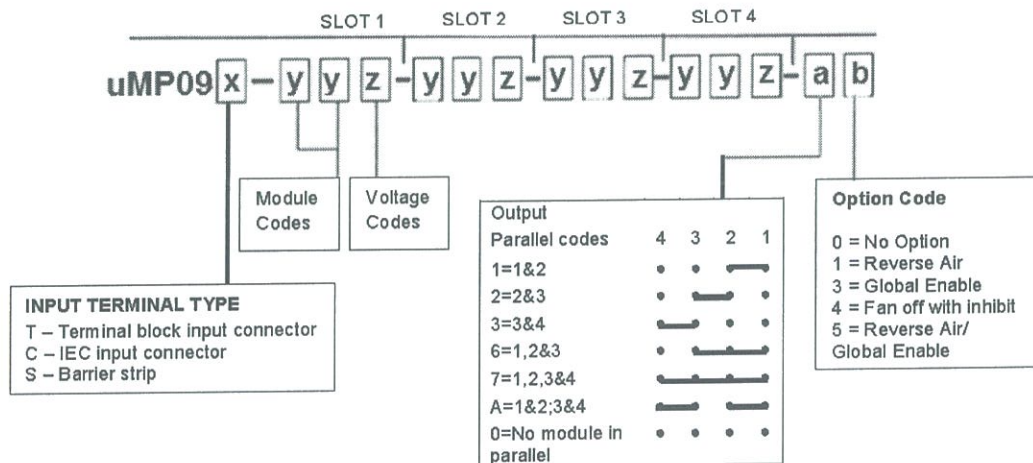
Example 3: 11V, 22A; Module code – **S2K** Output Voltage Code

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

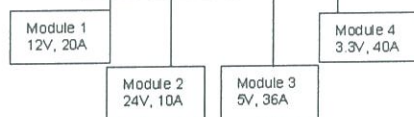


**CERTIFICATE**  
**No. Z2 16 07 13890 02727**

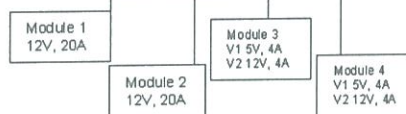
**Model configuration of uMP09x series:**



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 16 07 13890 02727**



Product Service

**Module code and output voltage code of uMP04x series and uMP09x series:**

**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
Module Identification	S2	SK	D/I

**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)	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			N/A						
C	3.0V	40.0			N/A						
D	3.3V	40.0			4.0	4.0					73-962-0002
E	5.0V	36.0	73-961-0005	180	4.0	4.0	N/A	N/A	N/A		
F	5.2V	36.0			4.0	4.0					
G	5.5V	32.0			4.0	4.0					
H	6.0V	30.0			4.0	4.0					
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				73-962-0001 AND 73-962-0002	
L	12.0V	20.0			4.0	4.0					
M	14.0V	17.0	73-961-0012	240	4.0	4.0	192	N/A	N/A		
N	15.0V	16.0			4.0	4.0					
O	18.0V	13.0			4.0	4.0					
P	20.0V	12.0			4.0	4.0					
Q	24.0V	10.0			4.0	4.0					
R	28.0V	8.6			3.4	3.4					
S	30.0V	8.0			3.2	3.2				73-962-0002	
T	33.0V	7.0			N/A					N/A	N/A
U	36.0V	6.7	N/A		21						
V	42.0V	5.7	N/A		21						
W	48.0V	5.0	N/A		2083						
X	54.0V	4.4	N/A		18.5						
Y	60.0V	4.0	N/A		16.7						