



Product Service

# CERTIFICATE

No. Z2 013890 3287 Rev. 01

**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 Mode 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.:** 6821017051505

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

**Date,** 2021-01-15

( Yager Bi )



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**Model(s):** 73-956-0001, 73-956-0001-G2, 73-951-0001-G2,  
uMP16x-yyz-yyz-yyz-yyz-yyz-yyz-ab,  
uMP10x-yyz-yyz-yyz-yyz-yyz-yyz-ab,  
uMP1x-yyz-yyz-yyz-yyz-yyz-yyz-ab  
(See below table for details)

## Parameters:

Rated Input:

For model 73-956-0001:

100-240/200-240VAC, 13/10A MAX., 50/60Hz or

120-300/254-339VDC, 13/10A MAX. (DC input for I.T equipment only)

For models 73-956-0001-G2 and uMP16 series:

100-240/110-240/200-240/220-240VAC, 13/13/10/13A MAX., 50/60Hz or 120-339/254-339VDC,  
13/10A MAX. (DC input for I.T equipment only)

For models 73-951-0001-G2 and uMP10 series:

100-240/200-240VAC, 13/10A MAX., 50/60Hz or

120-339/254-339VDC, 13/10A MAX. (DC input for I.T equipment only)

For models uMP1 series:

100-240/200-240VAC, 13/10A MAX., 50/60Hz or

120-300/254-300VDC, 13/10A MAX. (DC input for I.T equipment only)

Rated Output:

For model 73-956-0001:

380V+10/-20V RMS Square Wave, 1000W Max. (For 100-240VAC or 120-300VDC input) or 1600W  
Max. (For 200-240VAC or 254-339VDC input); +5Vsb, 2.0A (Optional)

For model 73-956-0001-G2:

380V+10/-20V RMS Square Wave, 1000W Max. (For 100-240VAC or 120-339VDC input) or 1200W  
Max. (For 110-240VAC input) or 1600W Max. (For 200-240VAC or 254-339VDC input) or 1800W  
Max. (For 220-240VAC input); +5Vsb, 2.0A (Optional)

For model 73-951-0001-G2:

380V+10/-20V RMS Square Wave, 1000W Max. (For 100-240VAC or 120-339VDC input) or 1200W  
Max. (For 200-240VAC or 254-339VDC input); +5Vsb, 2.0A (Optional)

For models uMP16 series:

2.0-60.0VDC, 1000W Max. (For 100-240VAC or 120-339VDC input) or 1200W Max. (For 110-  
240VAC input) or 1600W Max. (For 200-240VAC or 254-339VDC input) or 1800W Max. (For 220-  
240VAC input); +5Vsb, 2.0A (Optional)

For models uMP10 series:

2.0-60.0VDC, 1000W Max. (For 100-240VAC or 120-339VDC input) or 1200W Max. (For 200-  
240VAC or 254-339VDC input); +5Vsb, 2.0A (Optional)

For models uMP1 series:

2.0-60.0VDC, 1000W Max. (For 100-240VAC or 120-300VDC input) or 1200W Max. (For 200-  
240VAC or 254-300VDC input); +5Vsb, 2.0A (Optional)

Protection Class: I

Degree of Protection: IPX0



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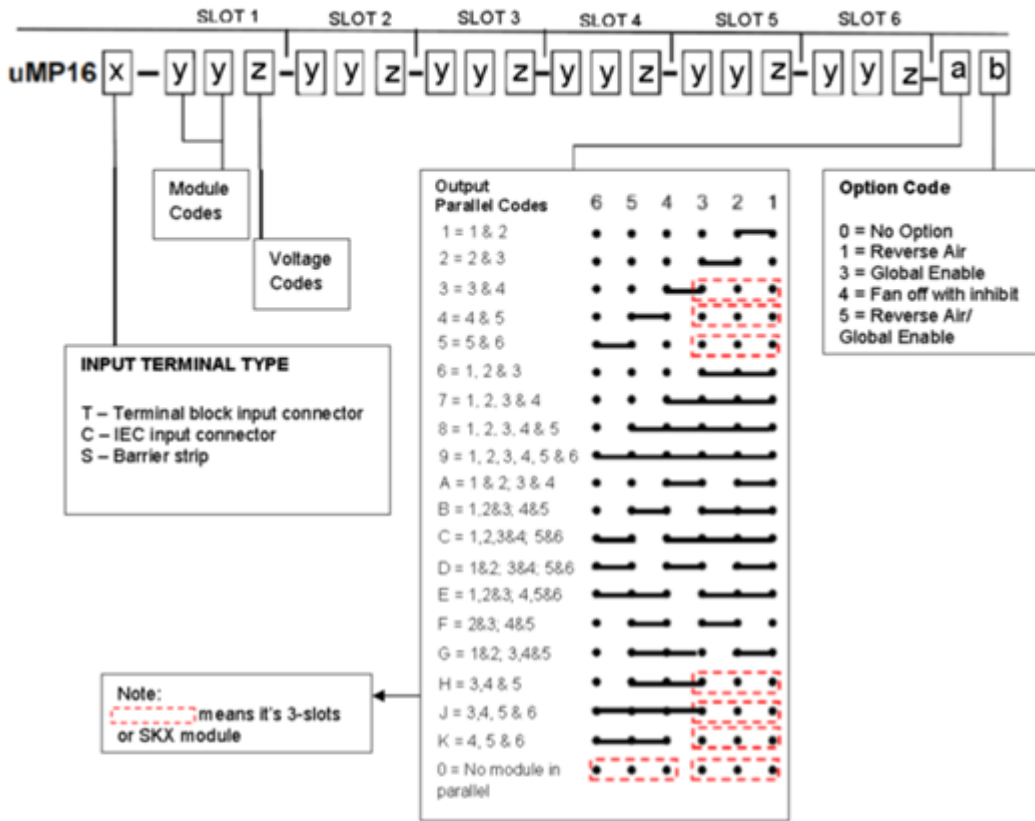
Remarks:

- 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 distance was evaluated for operating altitude up to 3048m above sea level.
- These power supplies only can be used in Pluggable Type B, permanently connected equipment, or Pluggable Type A equipment which provides with permanently connected earthing terminal.
- Built-in component, suitable enclosure should be provided in end system.
- These power supplies contain output with hazardous power source, when installing into end system, care must be taken that the output and associated wire(s) may not be touched.
- 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.

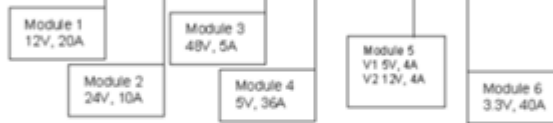
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## MODEL CONFIGURATION



Example 1: **uMP16T-S2L-S2Q-S2W-S2E-IEL-S2D-00**



Example 2: **uMP16T-SKW-S2L-S2Q-S2W-00**



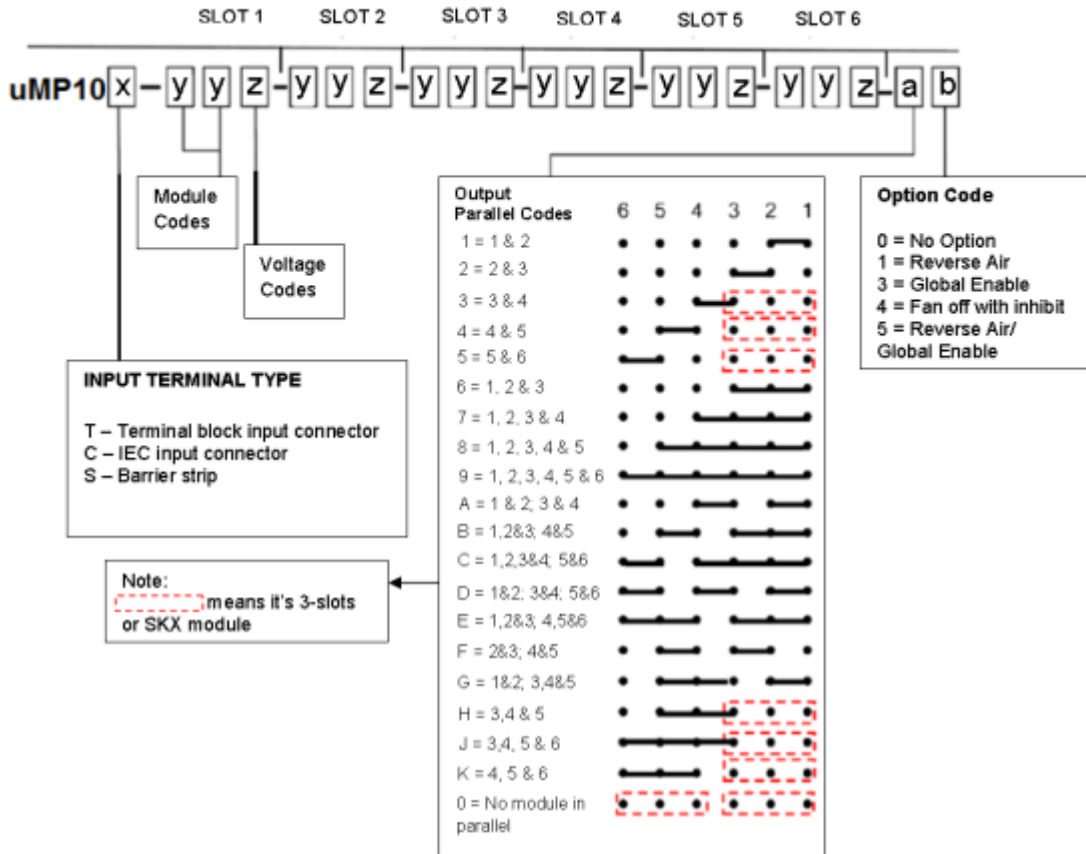
Example 3: 11V, 22A; Module code – **S2K** Output Voltage Code

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

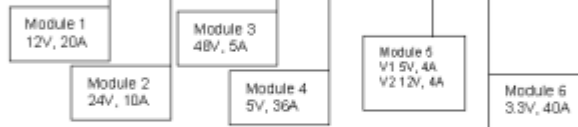
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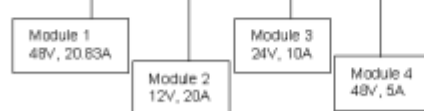
## MODEL CONFIGURATION



Example 1: **uMP10T-S2L-S2Q-S2W-S2E-IEL-S2D-00**



Example 2: **uMP10T-SKW-S2L-S2Q-S2W-00**

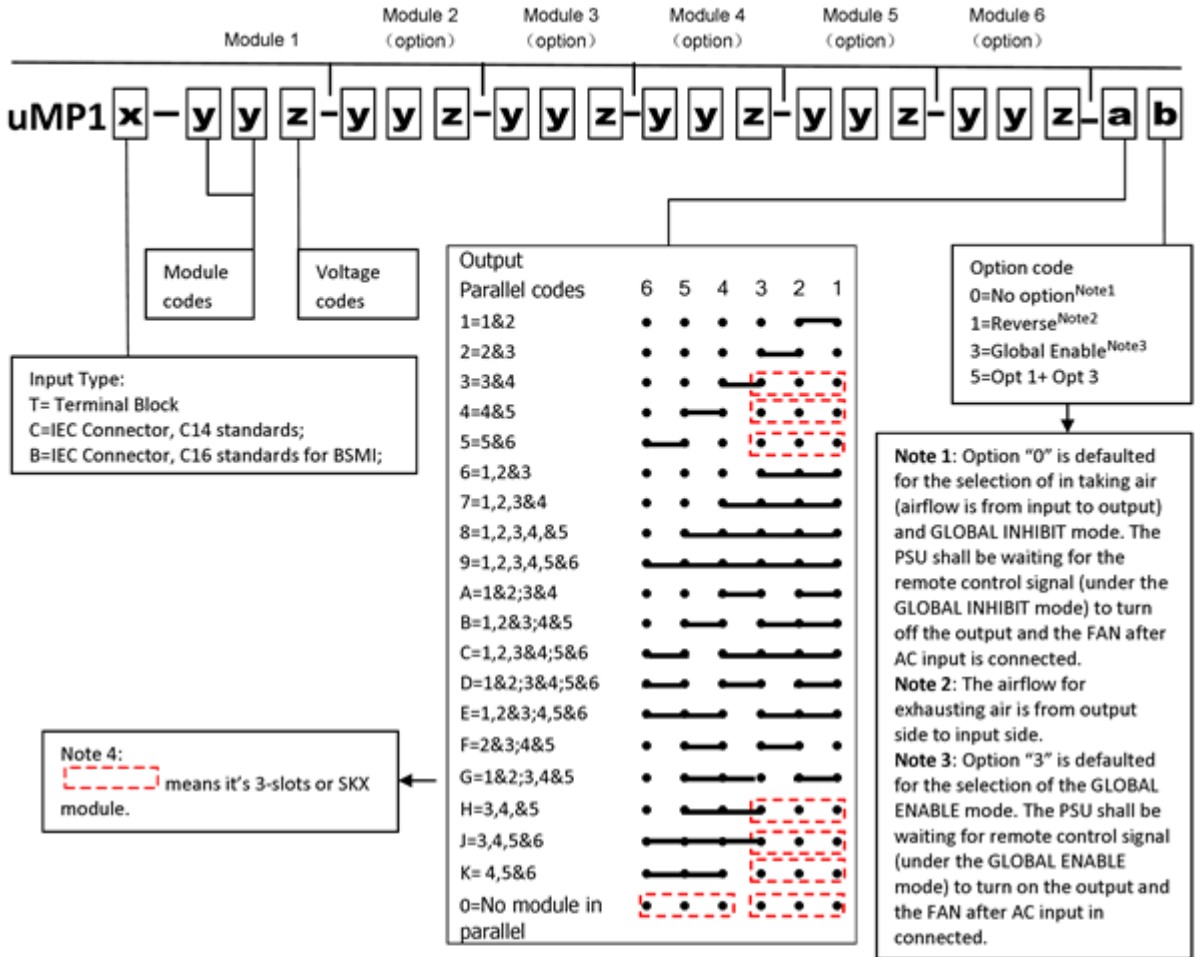


Example 3: 11V, 22A; Module code – **S2K** (Output Voltage Code)

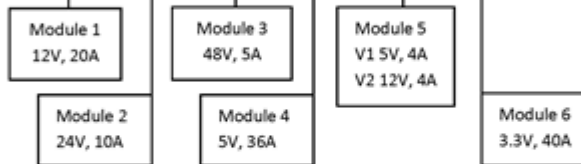
Example 4: V1 5.0V, 4A; V2 12.0V, 4A; Module Code – **IEL** (Output Voltage Code)

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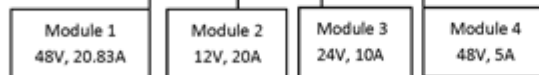
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Example 1: uMP1T-S2L-S2Q-S2W-S2E-DEL-S2D-00



Example 2: uMP1T-SKW-S2L-S2Q-S2W-00



Example 3: 11V, 22A; Module code - **S2K** ✓ Output Voltage code

Example 4: V1 5.0V, 4A; V2 12.0V, 4A; Module code - **DEL** ✓ Output Voltage code

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## 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	73-961-0012	240	4.0	4.0	73-962-0001 AND 73-962-0002	192	84	73-963-0012	1000
K	11.0V	22.0			4.0	4.0			84		
L	12.0V	20.0			4.0	4.0			84		
M	14.0V	17.0			4.0	4.0			83.3		
N	15.0V	16.0			4.0	4.0			71.4		
O	18.0V	13.0	73-961-0024	240	4.0	4.0	73-962-0002	192	66.7	73-963-0024	1000
P	20.0V	12.0			4.0	4.0			42		
Q	24.0V	10.0			4.0	4.0			42		
R	28.0V	8.6			3.4	3.4			41.7		
S	30.0V	8.0			3.2	3.2			35.7		
T	33.0V	7.0	73-961-0048	240	N/A	N/A	N/A	N/A	33.3	73-963-0048	1000
U	36.0V	6.7			N/A				21		
V	42.0V	5.7			N/A				21		
W	48.0V	5.0			N/A				21		
X	54.0V	4.4			N/A				20.83		
Y	60.0V	4.0			N/A				18.5		
					N/A				16.7		



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**Tested  
according to:**

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

**Production  
Facility(ies):**

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