



Product Service

CERTIFICATE

No. Z2 013890 3286 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 mode power supply for building-in)**

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

Test report no.: 6821020134001

Valid until: 2025-12-16

Date, 2020-12-17

(Yager Bi)



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Model(s): 73-690-0001i,
iMP1-abc-abc-abc-abc-abc-abc-abc-xx,
MP1-abc-abc-abc-abc-abc-abc-xx
(See Attachment No. 1 for details)

Parameters:

Rated Input:

For model 73-690-0001i:

100-240VAC/200-240VAC, 50/60, 20A/12A or 120-300VDC/254-300VDC, 20A/12A

For model iMP1-abc-abc-abc-abc-abc-abc-abc-xx:

100-240VAC/200-240VAC, 50/60/440Hz, 20A/12A or

120-350VDC/254-350VDC, 20A/12A (for ITE use only);

100-240VAC/200-240VAC, 50/60Hz, 20A/12A or

120-300VDC/254-300VDC, 20A/12A (for Medical use only);

For model MP1-abc-abc-abc-abc-abc-abc-abc-xx:

100-240VAC, 50/60Hz, 15A

Rated Output:

For model 73-690-0001i:

1. Primary DC output:

+375 - +395V, 1500W max. (for 100-240VAC or 120-300VDC input) or

+375 - +395V, 1800W max. (for 200-240VAC or 254-300VDC input)

2. Secondary DC outputs:

+5Vsb/1A; +18M1Vcc/0.1A; +18M2Vcc/0.1A;

+18M3Vcc/0.1A; +18M4Vcc/0.1A; +18M5Vcc/0.1A;

+18M6Vcc/0.1A; +18M7Vcc/0.1A

For model iMP1-abc-abc-abc-abc-abc-abc-abc-xx:

2-60VDC, 1500W max. (for 200-240VAC or 254-350VDC input) or 2-60VDC, 1200W max. (for 100-240VAC or 120-350VDC input) (See Attachment No. 1 for details)

For model MP1-abc-abc-abc-abc-abc-abc-abc-xx:

(See Attachment No. 1 for details)

Protection Class: I

Degree of Protection: IPX0

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 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.
- Built-in type equipment, suitable enclosure should be provided in end system.
- Models 73-690-0001i and iMP1-abc-abc-abc-abc-abc-abc-abc-xx 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.

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Sample Model Name Format:

Module/Voltage/Option Codes First - Module Code Second - Voltage Code	Add-on Modules	Case Option Codes	Hardware Code
-3L - 2E - 1Q -4LL	- HUP	- 00	-###
Module Codes Module/Voltage/Option Codes Module codes: (None) = 36 W triple O/P (1 slot) 1 = 210 W single O/P (1 slot) 2 = 360 W single O/P (2 slot) 3 = 750 W single O/P (3 slot) 4 = 144 W dual O/P (1 slot) 5 - 9 = future Voltage Codes: See Output Module Voltage/ Current table above	HUP = Hold up module VME = VME POR signal and isolated DC	Case Option Codes First digit 0 - 9 = parallel code (See Parallel Codes table above) Second digit Standard Options 0 = No options 1 = Rear Air Exhaust 3 = Global enable 5 = Opt 1 + Opt 3 M = Low Leakage N = Low Leakage + Opt 1 P = Low Leakage + Opt 3 R = Low Leakage + Opt 5	Factory assigned for modifications

Output Module Voltage/Current

Voltage	Voltage Code	Single Output Module Code			Dual Output		Triple Output		
		1	2	3	V1	V2	V1	V2	V3
2V	A	35 A	60 A	120 A	—	10 A	—	—	2 A
2.2V	B	35 A	60 A	120 A	—	10 A	—	—	2 A
3V	C	35 A	60 A	120 A	—	10 A	—	—	2 A
3.3V	D	35 A	60 A	120 A	—	10 A	—	—	2 A
5V	E	35 A	60 A	120 A	10 A	10 A	—	—	2 A
5.2V	F	35 A	60 A	115 A	—	10 A	—	—	2 A
5.5V	G	34 A	58 A	109 A	—	10 A	—	—	2 A
6.0V	H	23 A	42 A	78 A	—	10 A	—	—	2 A
8.0V	I	20 A	36 A	68 A	—	—	1 A	1 A	1 A
10V	J	18 A	32 A	60 A	—	—	1 A	1 A	1 A
11V	K	17 A	31 A	54.5 A	—	—	1 A	1 A	1 A
12V	L	17 A	30 A	50 A	10 A	4 A	1 A	1 A	1 A
14V	M	14 A	21 A	40.5 A	9 A	4 A	1 A	1 A	1 A
15V	N	14 A	20 A	39 A	8 A	4 A	1 A	1 A	1 A
18V	O	11 A	19 A	33.3 A	—	—	—	0.5 A	0.5 A
20V	P	10.5 A	18 A	30 A	—	—	—	0.5 A	0.5 A
24V	Q	8.5 A	15 A	23.5 A	4 A	2 A	—	0.5 A	0.5 A
28V	R	6.7 A	12.8 A	21.4 A	3 A	2 A	—	0.5 A	0.5 A
30V	S	6.5 A	12 A	20 A	—	—	—	—	—
33V	T	6.2 A	10.9 A	18.2 A	—	—	—	—	—
36V	U	5.8 A	10 A	16.6 A	—	—	—	—	—
42V	V	4.2 A	7.5 A	12.5 A	—	—	—	—	—
48V	W	4.0 A	7.5 A	12.5 A	—	—	—	—	—
54V	X	3.7 A	6.0 A	11 A	—	—	—	—	—
60V	Y	3.5 A	6.0 A	10 A	—	—	—	—	—
Non-std	Z	Special Voltage - Consult Factory for specifications							
2.4V-2.7V		35 A	60 A	120 A	—	10 A	—	—	2 A
3.6V-4.5V		35 A	60 A	120 A	—	10 A	—	—	2 A
6.6V-9.2V		20 A	36 A	68 A	10 A	4 A	—	—	1 A
8.8V-9.0V		18 A	32 A	60 A	10 A	4 A	—	—	1 A

Tested according to:

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

Production Facility(ies):

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