



Product Service

CERTIFICATE

No. B 013890 3243 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
(Switch 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.: 6821020079802

Valid until: 2026-01-14

Date, 2021-01-15

(Yager Bi)



Product Service

CERTIFICATE

No. B 013890 3243 Rev. 01

Model(s): 73-670-0001iH, iVS8H-ABBC-ABBC-ABBC-ABBC-
ABBC-ABBC-ABBC-ABBC-ABBC-ABBC-ABBC-
ABBC-ABBC-ABBC-XX
(See below table for details)

Parameters:

Rated Input:

AC440V 3~, 3W+PE, 50/60Hz, 10A or
AC380-440V 3~, 3W+PE, 50/60Hz, 10A

Rated Output:

For 73-670-0001iH:

Output: 380Vdc, 5300W max.

(See below table for details)

For iVS8H series: See below table for details

Construction: Built-in

Protection Class: I

Degree of Protection: IPX0

Remark:

- When installing the equipment, all requirements of the mentioned standard must be fulfilled.
- Built-in type equipment, suitable enclosure should be provided in end system.
- Clearance distance was evaluated for operating altitude up to 3048m above sea level.
- Refer to the installation and operating instruction from manufacturer for the details of loading condition and operating temperature.
- Earthing terminal should be reliably bonded to protective earthing in end use equipment before energized.

380Vdc output of model 73-670-0001iH contains with hazardous power source, when installing into end system, care must be taken that the output and associated wire(s) may not be touched.

- Series model iVS8H contains 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.

- This AC-DC power supply 73-670-0001iH was evaluated for basic insulation between input and output 380Vdc, input and chassis (protective earth), reinforced insulation between input and ES1 output 5Vsb and 18Vdc. Supplementary insulation is required from ES1 to 380Vdc.

CERTIFICATE

No. B 013890 3243 Rev. 01

For iVS8H series:

iVS8H-ABBC-ABBC-ABBC-....-ABBC-ABBC-ABBC-ABBC-ABBC-XX

A is 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)
 5 = 1500 W single O/P (slot 4)
 4 = 144 W dual O/P (1 slot)
 HUP = Extra 30ms hold-up (1 slot)

C is option codes:
 0 = Standard
 1 = Module enable
 2 = Constant current
 3 = 1 & 2 combined
 4 = Set for use in standard (non-intelligent case)
 5 = Shutdown mode for 1500 W
 6 = 1 & 5 combined
 7-9 Future

B or **BB** is voltage code:
 B=A-Z
 Detail see **Output Module Voltage/Current** table below

XX is case option codes:
 First Digit
 0 - 9 = Parallel code (See parallel codes table below)
 Second Digit
 0 = No options
 1 = Reverse air
 2 = Not used
 3 = Global enable
 4 = Fan Off w/inhibit
 5 = Opt 1 + Opt 3
 6 = Opt 1 + Opt 4
 7 = Opt 3 + Opt 4
 8 = Opt 1 + 3 + 4
 9 = Future

The number of ABC or ABBC is 14 max.

Output Module Voltage/Current

Voltage	Voltage Code	Single Output Module Code				Dual Output**		Triple Output		FC Adjustment Ranges**	
		1	2	3	5	V1	V2				
2 V	A	35 A	60 A	150 A	300 A	10 A	10 A	--	--	2 A	1.8-2.2
2.2 V	B	35 A	60 A	150 A	300 A	10 A	10 A	--	--	2 A	2.0-2.4
3 V	C	35 A	60 A	150 A	300 A	10 A	10 A	--	--	2 A	2.7-3.3
3.3 V	D	35 A	60 A	150 A	300 A	10 A	10 A	--	--	2 A	3.0-3.6
5 V	E	35 A	60 A	150 A	300 A	10 A	10 A	--	--	2 A	4.5-5.5
5.2 V	F	35 A	60 A	144 A	288 A	10 A	10 A	--	--	2 A	4.7-5.7
5.5 V	G	34 A	58 A	136 A	273 A	10 A	10 A	--	--	2 A	5.0-6.1
6 V	H	23 A	42 A	97.5 A	250 A	10 A*	10 A*	--	--	2 A	5.4-6.6
8 V	I	20 A	36 A	84.4 A	187.5 A	10 A	4 A	1 A	1 A	1 A	7.2-8.8
10 V	J	18 A	32 A	75 A	140 A	10 A	4 A	1 A	1 A	1 A	9.0-11.0
11 V	K	17 A	31 A	68 A	136.3 A	10 A	4 A	1 A	1 A	1 A	9.9-12.1
12 V	L	17 A	30 A	62.5 A	125 A	10 A	4 A	1 A	1 A	1 A	10.8-13.2
14 V	M	14 A	21 A	53.5 A	107 A	9 A	4 A	1 A	1 A	1 A	12.6-15.4
15 V	N	14 A	20 A	50 A	100 A	8 A	4 A	1 A	1 A	1 A	13.5-16.5
18 V	O	11 A	19 A	41.8 A	83.3 A	--	--	--	0.5 A	0.5 A	16.2-19.8
20 V	P	10.5 A	18 A	37.5 A	75 A	--	--	--	0.5 A	0.5 A	18.0-22.0
24 V	Q	8.5 A	15 A	30 A	62.5 A	4 A	2 A	--	0.5 A	0.5 A	21.6-26.4
28 V	R	6.7 A	11 A	26.8 A	53.5 A	3 A	2 A	--	0.5 A	0.5 A	25.2-30.8
30 V	S	6.5 A	11 A	25 A	50 A	--	--	--	--	--	27.0-33.0
33 V	T	6.2 A	10.9 A	22.7 A	35.8 A	--	--	--	--	--	29.7-36.3
36 V	U	5.8 A	10 A	20.8 A	35.8 A	--	--	--	--	--	32.4-39.6
42 V	V	4.2 A	7.5 A	16 A	35.7 A	--	--	--	--	--	37.8-46.2
48 V	W	4 A	7.5 A	15.6 A	31.2 A	--	--	--	--	--	43.2-52.8
54 V	X	3.7 A	6 A	13.9 A	27.7 A	--	--	--	--	--	48.6-59.4
60 V	Y	3.5 A	6 A	12.5 A	25 A	--	--	--	--	--	54.0-66.0
Consult Factory											
Special	Z	35 A	60 A	150 A	--	--	10 A	--	--	--	2.3-2.6
Special	Z	35 A	60 A	150 A	--	--	10 A	--	--	--	3.7-4.4
Special	Z	20 A	36 A	80 A	140 A	--	8 A	--	--	--	6.7-7.1

CERTIFICATE

No. B 013890 3243 Rev. 01



iVS8H (14 available slots)

*Note: Increments of current not shown can be achieved by paralleling modules (Add currents of each module selected)

**Total loading of outputs on dual module not to exceed 144 W.

For 73-670-0001iH:

1. For 73-670-0001iH using AC440V input:

Maximum output power 380V output is 5300W at 50°C ambient temperature and normal airflow condition and 4850W at 40°C ambient temperature and reversed airflow condition. Output power decreases 2.5% per °C from 40°C to 70°C ambient (1212W output at 70°C) and 50°C to 70°C ambient (2650W output at 70°C)

Outputs	Rating at 50°C Stand fan	Rating at 40°C reverse fan	Rating at 70°C Stand fan	Rating at 70°C Reverse fan
380Vdc:	5300W Max.	4850W Max.	2650W Max.	1212W max.
+5VSB:	1.0A	1.0A	1.0A	1.0A
M1Vcc: 18Vdc	0.1A	0.1A	0.1A	0.1A
M2Vcc: 18Vdc	0.1A	0.1A	0.1A	0.1A
M3Vcc: 18Vdc	0.1A	0.1A	0.1A	0.1A
M4Vcc: 18Vdc	0.1A	0.1A	0.1A	0.1A
M5Vcc: 18Vdc	0.1A	0.1A	0.1A	0.1A
M6Vcc: 18Vdc	0.1A	0.1A	0.1A	0.1A
M7Vcc: 18Vdc	0.1A	0.1A	0.1A	0.1A
M8Vcc: 18Vdc	0.1A	0.1A	0.1A	0.1A
M9Vcc: 18Vdc	0.1A	0.1A	0.1A	0.1A
M10Vcc: 18Vdc	0.1A	0.1A	0.1A	0.1A
M11Vcc: 18Vdc	0.1A	0.1A	0.1A	0.1A
M12Vcc: 18Vdc	0.1A	0.1A	0.1A	0.1A
M13Vcc: 18Vdc	0.1A	0.1A	0.1A	0.1A
M14Vcc: 18Vdc	0.1A	0.1A	0.1A	0.1A
Total Power:	5330.2 Watts	4880.2A Watts	2680.2 Watts	1242.2 Watts

CERTIFICATE

No. B 013890 3243 Rev. 01

2. For 73-670-0001iH using AC380-440V input:

Maximum output power of 380V output is 4500W at 50°C ambient temperature and normal airflow condition and 4200W at 40°C ambient temperature and reversed airflow condition. Output power decreases 2.5% per °C from 50°C to 70°C ambient (2250W output at 70°C) at normal airflow condition and 40°C to 60°C ambient (2100W output at 60°C) at reversed airflow condition.

Outputs	Rating at 50°C Normal airflow	Rating at 40°C reverse airflow	Rating at 70°C Normal airflow	Rating at 60°C reverse airflow
380Vdc:	4500Wmax	4200Wmax	2250W Max.	2100W max.
+5VSB:	1.0A	1.0A	1.0A	1.0A
M1Vcc: 18Vdc	0.1A	0.1A	0.1A	0.1A
M2Vcc: 18Vdc	0.1A	0.1A	0.1A	0.1A
M3Vcc: 18Vdc	0.1A	0.1A	0.1A	0.1A
M4Vcc: 18Vdc	0.1A	0.1A	0.1A	0.1A
M5Vcc: 18Vdc	0.1A	0.1A	0.1A	0.1A
M6Vcc: 18Vdc	0.1A	0.1A	0.1A	0.1A
M7Vcc: 18Vdc	0.1A	0.1A	0.1A	0.1A
M8Vcc: 18Vdc	0.1A	0.1A	0.1A	0.1A
M9Vcc: 18Vdc	0.1A	0.1A	0.1A	0.1A
M10Vcc: 18Vdc	0.1A	0.1A	0.1A	0.1A
M11Vcc: 18Vdc	0.1A	0.1A	0.1A	0.1A
M12Vcc: 18Vdc	0.1A	0.1A	0.1A	0.1A
M13Vcc: 18Vdc	0.1A	0.1A	0.1A	0.1A
M14Vcc: 18Vdc	0.1A	0.1A	0.1A	0.1A
Total Power:	4530.2 Watts	4230.2 Watts	2280.2 Watts	2130.2 Watts

Tested according to: EN 62368-1:2014/A11:2017

Production Facility(ies): 028532, 062777, 049489, 064622, 080379, 080898, 085205, 094674, 102651, 092570, 072064, 109634