



Ref. Certif. No.

SG PSB-SE-00235

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT
(IECEE) CB SCHEME**CB TEST CERTIFICATE**

Product

Power supplies
(Built-in switching power supplies)

Name and address of the applicant

Traco Electronic AG
Sihlbruggstrasse 111
6340 Baar
SWITZERLAND

Name and address of the manufacturer

Traco Electronic AG
Sihlbruggstrasse 111, 6340 Baar, SWITZERLAND

Name and address of the factory

Ratings and principal characteristics

Rated input voltage:	100-240 Vac
Rated frequency:	50-60 Hz
Rated input current:	0.8 A max.
Rated output:	(See appendix for details)
IP class:	IP00
ta:	(See appendix for details)
Class of equipment	Class II construction

Trade mark

See appendix

Model/type Ref.

TPP 30-xyczzzzzz series
(See appendix for details)A sample of the product was tested and found
to be in conformity withIEC 60335-1:2010
IEC 60335-1:2010/AMD1:2013
IEC 60335-1:2010/AMD2:2016
IEC 61558-1:2005
IEC 61558-1:2005/AMD1:2009
IEC 61558-2-16:2009
IEC 61558-2-16:2009/AMD1:2013as shown in the Test Report Ref. No.
which forms part of this certificate

081-180476-000

This CB Test Certificate is issued by the National Certification Body

CBS 002910 0003 Rev. 00

Date, 2018-09-05

Page 1 of 8

TÜV SÜD PSB Pte Ltd • 1 Science Park Drive • Singapore 118221

Bill Lin

(Bill Lin)



PSB Singapore

Appendix to CB Certificate

1. Trade mark:



2. Model difference description:

All models are similar to each other except for type of enclosures, transformer(TX1) secondary winding, PWB layout, output ranges, connection, maximum ambient temperature and model designation.

TPP 30-xyzzzzzzz (Where x can be 103, 105, 107, 109, 112, 112.1, 115, 115.1, 118, 124, 128, 136, 148 or 153 for output voltage; y can be A, A2 or blank for type of SMPS; c can be -J, -M, -D or blank for different type of connection; z can be any alphanumeric or dash or blank, except -J, -M or -D for marketing purpose.)

3. Model difference list:

No.	Model name	Type	PCB	Output rating			ta (°C)
				Voltage (Vdc)	Current (A)	Output Power (W)	
1	TPP 30-103A-Jzzzzzzzz	Open frame type	TPP 30-xA-M / TPP 30-xA / TPP 30-xA-J	3.3	6	19.8	60
2	TPP 30-105A-Jzzzzzzzz			5	6	30	60
3	TPP 30-107A-Jzzzzzzzz			7.5	4	30	60
4	TPP 30-109A-Jzzzzzzzz			9	3.34	30.06	60
5	TPP 30-112A-Jzzzzzzzz			12	2.5	30	60
6	TPP 30-112.1A-Jzzzzzzzz			12	2.5	30	60
7	TPP 30-115A-Jzzzzzzzz			15	2	30	60
8	TPP 30-115.1A-Jzzzzzzzz			15	2	30	60
9	TPP 30-118A-Jzzzzzzzz			18	1.67	30.06	60
10	TPP 30-124A-Jzzzzzzzz			24	1.25	30	60
11	TPP 30-128A-Jzzzzzzzz			28	1.08	30.24	60
12	TPP 30-136A-Jzzzzzzzz			36	0.84	30.24	60
13	TPP 30-148A-Jzzzzzzzz			48	0.63	30.24	60
14	TPP 30-153A-Jzzzzzzzz			53	0.58	30.74	65
15	TPP 30-103A-Mzzzzzzzz			3.3	6	19.8	60
16	TPP 30-105A-Mzzzzzzzz			5	6	30	60

CBS 002910 0003 Rev. 00

Date, 2018-09-05

Page 2 of 8

TÜV SÜD PSB Pte Ltd • 1 Science Park Drive • Singapore 118221

Bill Lin

(Bill Lin)



PSB Singapore

Appendix to CB Certificate

No.	Model name	Type	PCB	Output rating			ta (°C)
				Voltage (Vdc)	Current (A)	Output Power (W)	
17	TPP 30-107A-Mzzzzzzzz	Open frame type	TPP 30-xA-M / TPP 30-xA / TPP 30-xA-J	7.5	4	30	60
18	TPP 30-109A-Mzzzzzzzz			9	3.34	30.06	60
19	TPP 30-112A-Mzzzzzzzz			12	2.5	30	60
20	TPP 30-112.1A-Mzzzzzzzz			12	2.5	30	60
21	TPP 30-115A-Mzzzzzzzz			15	2	30	60
22	TPP 30-115.1A-Mzzzzzzzz			15	2	30	60
23	TPP 30-118A-Mzzzzzzzz			18	1.67	30.06	60
24	TPP 30-124A-Mzzzzzzzz			24	1.25	30	60
25	TPP 30-128A-Mzzzzzzzz			28	1.08	30.24	60
26	TPP 30-136A-Mzzzzzzzz			36	0.84	30.24	60
27	TPP 30-148A-Mzzzzzzzz			48	0.63	30.24	60
28	TPP 30-153A-Mzzzzzzzz			53	0.58	30.74	65
29	TPP 30-103Azzzzzzzz			3.3	6	19.8	60
30	TPP 30-105Azzzzzzzz			5	6	30	60
31	TPP 30-107Azzzzzzzz			7.5	4	30	60
32	TPP 30-109Azzzzzzzz			9	3.34	30.06	60
33	TPP 30-112Azzzzzzzz			12	2.5	30	60
34	TPP 30-112.1Azzzzzzzz			12	2.5	30	60
35	TPP 30-115Azzzzzzzz			15	2	30	60
36	TPP 30-115.1Azzzzzzzz			15	2	30	60
37	TPP 30-118Azzzzzzzz			18	1.67	30.06	60
38	TPP 30-124Azzzzzzzz			24	1.25	30	60
39	TPP 30-128Azzzzzzzz			28	1.08	30.24	60
40	TPP 30-136Azzzzzzzz			36	0.84	30.24	60
41	TPP 30-148Azzzzzzzz			48	0.63	30.24	60
42	TPP 30-153Azzzzzzzz			53	0.58	30.74	65

CBS 002910 0003 Rev. 00

Date,

2018-09-05

Page 3 of 8

Bill Lin

(Bill Lin)

TÜV SÜD PSB Pte Ltd • 1 Science Park Drive • Singapore 118221



PSB Singapore

Appendix to CB Certificate

No.	Model name	Type	PCB	Output rating			ta (°C)
				Voltage (Vdc)	Current (A)	Output Power (W)	
43	TPP 30-103A-Dzzzzzzzz	Dip type without connector or terminal	TPP 30-xA-D / TPP 30-x-D	3.3	6	19.8	60
44	TPP 30-105A-Dzzzzzzzz			5	6	30	60
45	TPP 30-107A-Dzzzzzzzz			7.5	4	30	60
46	TPP 30-109A-Dzzzzzzzz			9	3.34	30.06	60
47	TPP 30-112A-Dzzzzzzzz			12	2.5	30	60
48	TPP 30-112.1A-Dzzzzzzzz			12	2.5	30	60
49	TPP 30-115A-Dzzzzzzzz			15	2	30	60
50	TPP 30-115.1A-Dzzzzzzzz			15	2	30	60
51	TPP 30-118A-Dzzzzzzzz			18	1.67	30.06	60
52	TPP 30-124A-Dzzzzzzzz			24	1.25	30	60
53	TPP 30-128A-Dzzzzzzzz			28	1.08	30.24	60
54	TPP 30-136A-Dzzzzzzzz			36	0.84	30.24	60
55	TPP 30-148A-Dzzzzzzzz			48	0.63	30.24	60
56	TPP 30-153A-Dzzzzzzzz			53	0.58	30.74	65
57	TPP 30-103-Jzzzzzzzz	Encapsulated type	TPP 30-x-J / TPP 30-x-M / TPP 30-x	3.3	6	19.8	50
58	TPP 30-105-Jzzzzzzzz			5	6	30	50
59	TPP 30-107-Jzzzzzzzz			7.5	4	30	50
60	TPP 30-109-Jzzzzzzzz			9	3.34	30.06	50
61	TPP 30-112-Jzzzzzzzz			12	2.5	30	60
62	TPP 30-112.1-Jzzzzzzzz			12	2.5	30	60
63	TPP 30-115-Jzzzzzzzz			15	2	30	50
64	TPP 30-115.1-Jzzzzzzzz			15	2	30	50
65	TPP 30-118-Jzzzzzzzz			18	1.67	30.06	50
66	TPP 30-124-Jzzzzzzzz			24	1.25	30	50
67	TPP 30-128-Jzzzzzzzz			28	1.08	30.24	50
68	TPP 30-136-Jzzzzzzzz			36	0.84	30.24	50
69	TPP 30-148-Jzzzzzzzz			48	0.63	30.24	50

CBS 002910 0003 Rev. 00

Date,

2018-09-05

Page 4 of 8

(Bill Lin)

TÜV SÜD PSB Pte Ltd • 1 Science Park Drive • Singapore 118221



PSB Singapore

Appendix to CB Certificate

No.	Model name	Type	PCB	Output rating			ta (°C)
				Voltage (Vdc)	Current (A)	Output Power (W)	
70	TPP 30-153-Jzzzzzzzz	Encapsulated type	TPP 30-x-J / TPP 30-x-M / TPP 30-x	53	0.58	30.74	60
71	TPP 30-103-Mzzzzzzzz			3.3	6	19.8	50
72	TPP 30-105-Mzzzzzzzz			5	6	30	50
73	TPP 30-107-Mzzzzzzzz			7.5	4	30	50
74	TPP 30-109-Mzzzzzzzz			9	3.34	30.06	50
75	TPP 30-112-Mzzzzzzzz			12	2.5	30	60
76	TPP 30-112.1-Mzzzzzzzz			12	2.5	30	60
77	TPP 30-115-Mzzzzzzzz			15	2	30	50
78	TPP 30-115.1-Mzzzzzzzz			15	2	30	50
79	TPP 30-118-Mzzzzzzzz			18	1.67	30.06	50
80	TPP 30-124-Mzzzzzzzz			24	1.25	30	50
81	TPP 30-128-Mzzzzzzzz			28	1.08	30.24	50
82	TPP 30-136-Mzzzzzzzz			36	0.84	30.24	50
83	TPP 30-148-Mzzzzzzzz			48	0.63	30.24	50
84	TPP 30-153-Mzzzzzzzz			53	0.58	30.74	60
85	TPP 30-103zzzzzzzz			3.3	6	19.8	50
86	TPP 30-105zzzzzzzz			5	6	30	50
87	TPP 30-107zzzzzzzz			7.5	4	30	50
88	TPP 30-109zzzzzzzz			9	3.34	30.06	50
89	TPP 30-112zzzzzzzz			12	2.5	30	60
90	TPP 30-112.1zzzzzzzz			12	2.5	30	60
91	TPP 30-115zzzzzzzz			15	2	30	50
92	TPP 30-115.1zzzzzzzz			15	2	30	50
93	TPP 30-118zzzzzzzz			18	1.67	30.06	50
94	TPP 30-124zzzzzzzz			24	1.25	30	50
95	TPP 30-128zzzzzzzz			28	1.08	30.24	50
96	TPP 30-136zzzzzzzz			36	0.84	30.24	50

CBS 002910 0003 Rev. 00

Date,

2018-09-05

Page 5 of 8

TÜV SÜD PSB Pte Ltd • 1 Science Park Drive • Singapore 118221

Bill Lin

(Bill Lin)



PSB Singapore

Appendix to CB Certificate

No.	Model name	Type	PCB	Output rating			ta (°C)
				Voltage (Vdc)	Current (A)	Output Power (W)	
97	TPP 30-148zzzzzzzz	Encapsulated type	TPP 30-x-J / TPP 30-x-M / TPP 30-x	48	0.63	30.24	50
98	TPP 30-153zzzzzzzz			53	0.58	30.74	60
99	TPP 30-103-Dzzzzzzzz			3.3	6	19.8	50
100	TPP 30-105-Dzzzzzzzz	Dip type without connector or terminal	TPP 30-xA-D / TPP 30-x-D	5	6	30	50
101	TPP 30-107-Dzzzzzzzz			7.5	4	30	50
102	TPP 30-109-Dzzzzzzzz			9	3.34	30.06	50
103	TPP 30-112-Dzzzzzzzz			12	2.5	30	60
104	TPP 30-112.1-Dzzzzzzzz			12	2.5	30	60
105	TPP 30-115-Dzzzzzzzz			15	2	30	50
106	TPP 30-115.1-Dzzzzzzzz			15	2	30	50
107	TPP 30-118-Dzzzzzzzz			18	1.67	30.06	50
108	TPP 30-124-Dzzzzzzzz			24	1.25	30	50
109	TPP 30-128-Dzzzzzzzz			28	1.08	30.24	50
110	TPP 30-136-Dzzzzzzzz			36	0.84	30.24	50
111	TPP 30-148-Dzzzzzzzz			48	0.63	30.24	50
112	TPP 30-153-Dzzzzzzzz			53	0.58	30.74	60
113	TPP 30-103A2-Jzzzzzzzz	Din Rail type (Encapsulated)	TPP 30-xA2-M / TPP 30-xA2 / TPP 30-xA2-J	3.3	6	19.8	50
114	TPP 30-105A2-Jzzzzzzzz			5	6	30	50
115	TPP 30-107A2-Jzzzzzzzz			7.5	4	30	50
116	TPP 30-109A2-Jzzzzzzzz			9	3.34	30.06	50
117	TPP 30-112A2-Jzzzzzzzz			12	2.5	30	60
118	TPP 30-112.1A2-Jzzzzzzzz			12	2.5	30	60
119	TPP 30-115A2-Jzzzzzzzz			15	2	30	50
120	TPP 30-115.1A2-Jzzzzzzzz			15	2	30	50
121	TPP 30-118A2-Jzzzzzzzz			18	1.67	30.06	50
122	TPP 30-124A2-Jzzzzzzzz			24	1.25	30	50
123	TPP 30-128A2-Jzzzzzzzz			28	1.08	30.24	50

CBS 002910 0003 Rev. 00

Date,

2018-09-05

Page 6 of 8

(Bill Lin)

TÜV SÜD PSB Pte Ltd • 1 Science Park Drive • Singapore 118221



PSB Singapore

Appendix to CB Certificate

No.	Model name	Type	PCB	Output rating			ta (°C)
				Voltage (Vdc)	Current (A)	Output Power (W)	
124	TPP 30-136A2-Jzzzzzzzz	Din Rail type (Encapsulated)	TPP 30-xA2-M / TPP 30-xA2 / TPP 30-xA2-J	36	0.84	30.24	50
125	TPP 30-148A2-Jzzzzzzzz			48	0.63	30.24	50
126	TPP 30-153A2-Jzzzzzzzz			53	0.58	30.74	60
127	TPP 30-103A2-Mzzzzzzzz			3.3	6	19.8	50
128	TPP 30-105A2-Mzzzzzzzz			5	6	30	50
129	TPP 30-107A2-Mzzzzzzzz			7.5	4	30	50
130	TPP 30-109A2-Mzzzzzzzz			9	3.34	30.06	50
131	TPP 30-112A2-Mzzzzzzzz			12	2.5	30	60
132	TPP 30-112.1A2-Mzzzzzzzz			12	2.5	30	60
133	TPP 30-115A2-Mzzzzzzzz			15	2	30	50
134	TPP 30-115.1A2-Mzzzzzzzz			15	2	30	50
135	TPP 30-118A2-Mzzzzzzzz			18	1.67	30.06	50
136	TPP 30-124A2-Mzzzzzzzz			24	1.25	30	50
137	TPP 30-128A2-Mzzzzzzzz			28	1.08	30.24	50
138	TPP 30-136A2-Mzzzzzzzz			36	0.84	30.24	50
139	TPP 30-148A2-Mzzzzzzzz			48	0.63	30.24	50
140	TPP 30-153A2-Mzzzzzzzz			53	0.58	30.74	60
141	TPP 30-103A2zzzzzzzz			3.3	6	19.8	50
142	TPP 30-105A2zzzzzzzz			5	6	30	50
143	TPP 30-107A2zzzzzzzz			7.5	4	30	50
144	TPP 30-109A2zzzzzzzz			9	3.34	30.06	50
145	TPP 30-112A2zzzzzzzz			12	2.5	30	60
146	TPP 30-112.1A2zzzzzzzz			12	2.5	30	60
147	TPP 30-115A2zzzzzzzz			15	2	30	50
148	TPP 30-115.1A2zzzzzzzz			15	2	30	50
149	TPP 30-118A2zzzzzzzz			18	1.67	30.06	50
150	TPP 30-124A2zzzzzzzz			24	1.25	30	50

CBS 002910 0003 Rev. 00

Date,

2018-09-05

Page 7 of 8

(Bill Lin)

TÜV SÜD PSB Pte Ltd • 1 Science Park Drive • Singapore 118221



PSB Singapore

Appendix to CB Certificate

No.	Model name	Type	PCB	Output rating			ta (°C)
				Voltage	Current	Output Power	
				(Vdc)	(A)	(W)	
152	TPP 30-128A2zzzzzzzz	Din Rail type (Encapsulated)	TPP 30-xA2-M / TPP 30-xA2 / TPP 30-xA2-J	28	1.08	30.24	50
153	TPP 30-136A2zzzzzzzz			36	0.84	30.24	50
154	TPP 30-148A2zzzzzzzz			48	0.63	30.24	50
155	TPP 30-153A2zzzzzzzz			53	0.58	30.74	60