

CERTIFICATE FI 28787



Our Ref. 274721-2

Product Central power supply system for emergency lighting

Type TKT67xxC series

Trade mark Teknoware

Certificate Holder / Manufacturer Teknoware Oy
Ilmarisentie 8
FI-15200 LAHTI, FINLAND

Technical information See pages 2-3

Other information -

The product is certified according to the following standard(s) EN 50171:2001


Validity This certificate is valid until 22 September 2019 unless the standard in question has been amended or superseded with significant changes in requirements, in which case, SGS Fimko has the right to shorten the validity of the certificate based on the legislation of the European Union. This certificate includes the right to use the FI mark under the condition that changes (if any) will be checked at SGS Fimko before the product is brought onto market and that the conditions for FI certification are met.

Directive information The product(s) fulfils the essential safety requirements for CE conformity marking according to the Low Voltage Directive (2006/95/EC) at the date of issue of the certificate.

Date of issue 22 September 2014

SGS Fimko Ltd

Signature


Kari Vesterinen
Product Line Manager



This certificate has 2 appendices



This certificate is issued by the company under its General Conditions for Certification Services accessible at <http://www.sgs.fi/en/Terms-and-Conditions.aspx>. Attention is drawn to the limitations of liability defined therein and in the Test Report here above mentioned which findings are reflected in this certificate. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

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Member of the SGS Group (SGS SA)

Appendix to Certificate: 28787

Manufacturing sites

Teknoware Oy
Ilmarisentie 8
FI-15200 LAHTI, FINLAND

Technical information

Type

Model	Maximum number of circuits	Input Voltage
TKT6716C(N)	16	220-240 V AC 50/60Hz 3~
TKT6724C(N)	24	220-240 V AC 50/60Hz 3~
TKT6732C(N)	32	220-240 V AC 50/60Hz 3~
TKT6740C(N)	40	220-240 V AC 50/60Hz 3~
TKT6748C(N)	48	220-240 V AC 50/60Hz 3~
TKT6756C(N)	56	220-240 V AC 50/60Hz 3~

Explanation of letter (N): Charging for NiCd batteries

Technical information

Technical specifications

Mains connection:	N/PE 220-240 V AC 50/60 Hz 3~
Casing:	IP31
Output voltage:	mains connection: 220-240 VAC, battery operation: 216VDC
Battery voltage:	216 VDC
Battery charging time:	12 h 80 %
Max. batteries:	18 x 400 Ah
Max Input power TKT6716C(N):	8,450 VA
Max Input power TKT6724C(N):	11,400 VA
Max Input power TKT6732C(N):	14,200 VA
Max Input power TKT6740C(N):	17,200 VA
Max Input power TKT6748C(N):	20,000VA
Max Input power TKT6756C(N):	22,800 VA
Ambient temperature range:	+10 ...+50 °C
CBU's Input fuse:	TKT6716C-TKT6732C: Circuit breaker 32 A 3-pole C-curve

	TKT6740C-TKT6756C: Circuit breaker 50 A 3-pole C-curve
Output circuit fuses:	5x20 mm sand-filled glass tube fuse 2,5 A, slow
Output connector:	max. wire 4 mm ²
Required short-circuit current with 2.5 A fuse 0,4 s. tripping time:	10 A
Battery Fuse:	100 A Load switch
TKT6716Cxx - TKT6756Cxx:	

Central battery unit type	Output circuits	Total load capacity in battery use with 1-hour and 3-hour operating time
TKT6716C(N)	2x (8x350W/ 4x700W/2x1,400W) or 2,5A circuit, Max. 5,600VA	1 h 5,600 W 18x38 Ah 3 h 5,600 W 18x65 Ah
TKT6724C(N)	3x (8x350W/ 4x700W/2x1,400W) or 2,5A circuit, Max. 8,400VA	1 h 8,400 W 18x38 Ah 3 h 8,400 W 18x65 Ah
TKT6732C(N)	4x (8x350W/4x700W/2x1,400W) or 2,5A circuit, Max. 11,200VA	1 h 11,200 W 18x65 Ah 3 h 11,200 W 18x65 Ah
TKT6740C(N)	5x (8x350W/4x700W/2x1,400W) or 2,5A circuit, Max. 14,000VA	1 h 14,000 W 18x65 Ah 3 h 14,000 W 18x65 Ah
TKT6748C(N)	6x (8x350W/4x700W/2x1,400W) or 2,5A circuit, Max. 16,800VA	1 h 16,800 W 18x65 Ah 3 h 16,800 W 18x65 Ah
TKT6756C(N)	7x (8x350W/ 4x700W/2x1,400W) or 2,5A circuit, Max. 19,600VA	1 h 19,600 W 18x65 Ah 3 h 19,600 W 18x65 Ah

As shown in the Test Report(s) No(s): 274721-1