

CERTIFICATE FI 28786



Our Ref. 274721-1

Product Central power supply system for emergency lighting

Type TKT66xx 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Validity This certificate is valid until 22 September 2019 unless the standard in question has been amended or superseded with significant changes in requirements, in which case, SGS Fimko has the right to shorten the validity of the certificate based on the legislation of the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: 28786

Manufacturing sites

Teknoware Oy
Ilmarisentie 8
FI-15200 LAHTI, FINLAND

Technical information

Type

Model	Maximum number of circuits	Input Voltage
TKT6608C(N)(P)xx	8	220-240 VAC 50/60Hz 1~
TKT6616C(N)(P)xx	16	220-240 VAC 50/60Hz 1~
TKT6624C(N)(P)xx	24	220-240 VAC 50/60Hz 1~
TKT6608C(N)(P)xxF	8	N/PE 220-240 VAC 50/60Hz 3~
TKT6616C(N)(P)xxF	16	N/PE 220-240 VAC 50/60Hz 3~
TKT6624C(N)(P)xxF	24	N/PE 220-240 VAC 50/60Hz 3~

Explanation of letters

Letter	Explanation
F	3-phase input
C only	Control function
CD	Control and printer
CL	Control and LCD display
CO	Control and LON interface
CDL	Control, printer, and LCD display
CLO	Control, LCD display and LON interface
N	Charging for NiCd batteries
P	Cabinet construction with a lockable door

Technical information:

Technical specifications

Mains connection:	220-240 VAC 50-60 Hz 1~, or F-models N/PE 220-240 VAC 50/60 Hz 3~
Casing:	TKT66xxCxx: IP20 TKT66xxCPxx (cabinet construction): IP34
Output voltage:	mains connection: 220-240 VAC, battery operation: 216VDC
Battery voltage:	216 VDC
Battery charging time:	12 h 80 %
Max. batteries:	18 x 65 Ah
Input power	3680 VA
TKT6608C(N)(P)xxx:	
Max Input power	3900 VA
TKT6608CF(P)xxx:	
Max Input power	3680 VA
TKT6616C(N)(P)xxx:	
Max Input power	6700 VA
TKT6616CF(P)xxx:	
Max Input power	3680VA
TKT6624C(N)(P)xxx:	
Max Input power	9500 VA
TKT6624CF(P)xxx:	
Ambient temperature range:	+10 – 50°C
Input fuse:	1-phase circuit breaker 16 A C curve or in F-models 3-phase 16 A C-curve
Output circuit fuses:	5x20 mm sand-filled glass tube fuse 2,5 A
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	2x16 A plug fuse S 16 A/250 V Neozed
TKT6608C(P)xxx:	
Battery Fuse	2x35 A plug fuse S 35 A/250 V Neozed
TKT6616C(P)xxx:	
Battery Fuse	2x35 A plug fuse S 35 A/250 V Neozed
TKT6616C(P)xxx:	
Charging circuit fuses:	5x20 mm glass tube fuse 6,3 A

Central battery unit type	Output circuits	Total load capacity in battery use with 1-hour and 3-hour operating time
TKT6608C(N)(P)xxx	1x (8x350W/ 4x700W/2x1400W) or 1,6A circuit, Max. 2580VA	1 h 2580 W 18x38 Ah 3 h 2580 W 18x65 Ah
TKT6608C(N)(P)xxx F	1x (8x350W/ 4x700W/2x1400W) or 1,6A circuit, Max.2800VA	1 h 2580 W 18x38 Ah 3 h 2800 W 18x65 Ah
TKT6616C(N)(P)xxx	2x (8x350W/ 4x700W/2x1400W) or 1,6A circuit, Max.2580VA	1 h 5600 W 18x65 Ah 3 h 3340 W 18x65 Ah
TKT6616C(N)(P)xxx F	2x (8x350W/ 4x700W/2x1400W) or 1,6A circuit, Max.5600VA	1 h 5600 W 18x65 Ah 3 h 3340 W 18x65 Ah
TKT6624C(N)(P)xxx	3x (8x350W/ 4x700W/2x1400W) or 1,6A circuit, Max.2580VA	1 h 6000 W 18x65 Ah 3 h 3340 W 18x65 Ah
TKT6624C(N)(P)xxx F	3x (8x350W/ 4x700W/2x1400W) or 1,6A circuit, Max.8400VA	1 h 6000 W 18x65 Ah 3 h 3340 W 18x65 Ah

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