

# TAPSA CONTROL CENTRAL BATTERY UNIT TKT6816C



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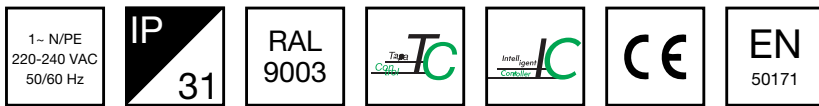
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[www.teknoware.fi/en/emergency-lighting/tapsa-control-central-battery-unit-tkt6816c](http://www.teknoware.fi/en/emergency-lighting/tapsa-control-central-battery-unit-tkt6816c)

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Central battery system in TKT68 series offers a space saving and efficient emergency lighting solution. Central battery systems include space for batteries, so it is suitable to be placed in locations where space is limited.

We recommend TKT68 series especially for medium sized and large buildings. TKT68XXC also allows the decentralization of central battery systems to several independent areas. TKT68 is quick to assemble as the terminals are conveniently located on the upper side of the unit and the fuses of the output circuits are at the terminals.

#### Technical data

input voltage 220-240 VAC

output voltage in normal mode 220-240 VAC

output voltage in battery mode 216 VDC

battery voltage of 216 V is generated by 18 pieces of 12 V batteries connected in series

includes space for 65 Ah battery

8, 16 or 24 output circuits

8 x 350 VA, 4 x 700 VA or 2 x 1400 VA parallel connections are possible

max 32 luminaires per circuit (please note local restrictions)

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|  |                               |
|--|-------------------------------|
| Product Code   | TKT6816C                      |
| Customs Code   | 85044090                      |
| GTIN Code  | 6438045009629                 |
| ETIM Product Class                                       | EC002678                      |
| Length   | 512 mm                        |
| Width  | 800 mm                        |
| Height   | 1930 mm                       |
| Weight   | 147 kg                        |
| Nominal Supply Voltage                                   | 1~ N/PE 220-240 VAC, 50/60 Hz |
| Nominal Output Voltage, Mains Supply                     | 220-240 VAC                   |
| Output Voltage, Battery Supply                           | 216 VDC                       |
| Battery Voltage  | 216 VDC                       |
| Max Battery Capacity                                     | 65 Ah                         |
| Space for Batteries                                      | 18 x 12 V / 65 Ah             |
| Required Short Circuit Current per Single Output Circuit | 10 A                          |
| Max Load Inrush Current per Single Output Circuit / 1 ms | 120/250/300 A                 |
| Max total load, mains operation                          | 2580 VA                       |
| Max total load, battery operation 1 h                    | 5600 W                        |
| Max total load, battery operation 3 h                    | 3340 W                        |
| Number of Output Circuits                                | 16 x 350 VA / W               |
| Max Total Load, 1 h Duration                             | 5600 W                        |
| Max Total Load, 3 h Duration                             | 3340 W                        |
| Power Consumption  | 3680 VA                       |
| IP Class   | IP31                          |
| Body Material  | sheet metal                   |
| Colour   | RAL9003                       |

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ONE OR MORE OF THESE IS ALSO REQUIRED:

## BATTERY CABLES FOR CENTRAL BATTERY SYSTEMS



| Product Code | Product Name          | Length of Battery Cable (m) |
|--------------|-----------------------|-----------------------------|
| XJ997G       | Battery Cables XJ997G |                             |

## BATTERIES FOR CENTRAL BATTERY SYSTEMS



| Product Code | Product Name                    | Battery Size (Ah) |
|--------------|---------------------------------|-------------------|
| TEA020       | Sealed Lead Acid Battery TEA020 | 6,5               |
| TEA021       | Sealed Lead Acid Battery TEA021 | 17                |
| TEA022       | Sealed Lead Acid Battery TEA022 | 24                |
| TEA023       | Sealed Lead Acid Battery TEA023 | 38                |
| TEA024       | Sealed Lead Acid Battery TEA024 | 65                |

## OPTIONAL ACCESSORIES:

## WEBCM CENTRAL MONITORING SYSTEM / WEBACM CENTRAL MONITORING SOFTWARE



| Product Code | Product Name            | Compatible Product Groups      |
|--------------|-------------------------|--------------------------------|
| TST6824      | WebCM Interface TST6824 | TKT68C Central Battery Systems |

## ACM ADVANCED CENTRAL MONITORING SOFTWARE



| Product Code | Product Name          | Compatible Product Groups      |
|--------------|-----------------------|--------------------------------|
| TST6821      | ACM Interface TST6821 | TKT68C Central Battery Systems |

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# BACNET INTERFACE



| Product Code | Product Name             | Compatible Product Groups      |
|--------------|--------------------------|--------------------------------|
| TST6823      | BACnet Interface TST6823 | TKT68C Central Battery Systems |

## INTELLIGENT CONTROLLERS FOR CENTRAL BATTERY SYSTEMS



| Product Code | Product Name         | Compatible Products |
|--------------|----------------------|---------------------|
| TST6851      | IC Interface TST6851 | TKT6808C            |
| TST6852      | IC Interface TST6852 | TKT6816C            |
| TST6853      | IC Interface TST6853 | TKT6824C            |

## OTHER EXTERNAL MODULES FOR CENTRAL BATTERY SYSTEMS



| Product Code | Product Name               |
|--------------|----------------------------|
| TST6832      | LCD Display Module TST6832 |

## SPARE PARTS:

## SPARE PARTS FOR CENTRAL BATTERY SYSTEMS



| Product Code | Product Name                                | Compatible Product Groups  |
|--------------|---|--|
| W010005      | Charger W010005                             | TKT65B Central Battery Systems, TKT65C Central Battery Systems, TKT66C Central Battery Systems, TKT67C Central Battery Systems, TKT68C Central Battery Systems |
| W030004      | Internal power supply unit W030004          | TKT65B Central Battery Systems, TKT65C Central Battery Systems, TKT66C Central Battery Systems, TKT67C Central Battery Systems, TKT68C Central Battery Systems |
| W030005      | Central unit board W030005                  | TKT65B Central Battery Systems, TKT65C Central Battery Systems, TKT66C Central Battery Systems, TKT67C Central Battery Systems, TKT68C Central Battery Systems |
| W030007      | Internal bus current voltage supply W030007 | TK23C, TKT65C Central Battery Systems, TKT66C Central Battery Systems, TKT67C Central Battery Systems, TKT68C Central Battery Systems                          |

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| Product Code | Product Name               | Compatible Product Groups  |
|--------------|----------------------------|--|
| W030008      | Control board W030008      | TKT65B Central Battery Systems, TKT65C Central Battery Systems, TKT66C Central Battery Systems, TKT67C Central Battery Systems, TKT68C Central Battery Systems |
| W040002      | Main Switch W040002        | TK23C, TKT65C Central Battery Systems, TKT66C Central Battery Systems, TKT68C Central Battery Systems  |
| W040003      | Temperature sensor W040003 | TKT65B Central Battery Systems, TKT65C Central Battery Systems, TKT66C Central Battery Systems, TKT67C Central Battery Systems, TKT68C Central Battery Systems |
| W040004      | Data cable W040004         | TK23C, TKT65C Central Battery Systems, TKT66C Central Battery Systems, TKT67C Central Battery Systems, TKT68C Central Battery Systems                          |
| W040005      | Outputs off switch W040005 | TKT65B Central Battery Systems, TKT65C Central Battery Systems, TKT66C Central Battery Systems, TKT67C Central Battery Systems, TKT68C Central Battery Systems |
| W040007      | Printing tape W040007      | TK23C, TKT65C Central Battery Systems, TKT66C Central Battery Systems, TKT67C Central Battery Systems, TKT68C Central Battery Systems                          |
| W040008      | Colour ribbon W040008      | TK23C, TKT65C Central Battery Systems, TKT66C Central Battery Systems, TKT67C Central Battery Systems, TKT68C Central Battery Systems                          |

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