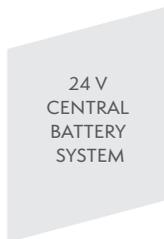


TKT31/41XX



TKT31/41 series is an easy and inexpensive solution, for when you want to supply a relatively small number of luminaires in a limited area. The series also is suitable for premises, where the central battery system can be decentralized to several independent areas.

TKT3122 has 4 output circuits. In TKT41xx there are, depending on the type, either 8 or 16 circuit outputs, which can be set in two circuit increments to either maintained or non-maintained.

Technical data

- input voltage 230 VAC
- output voltage main supply 24 VAC
- output voltage battery supply 24 VDC
- battery voltage 24 V is formed by two 12 V batteries connected in series
- TKT3122 has 4 output circuits
- In TKT41xx there are 8 or 16 output circuits
- max 20 luminaires per circuit



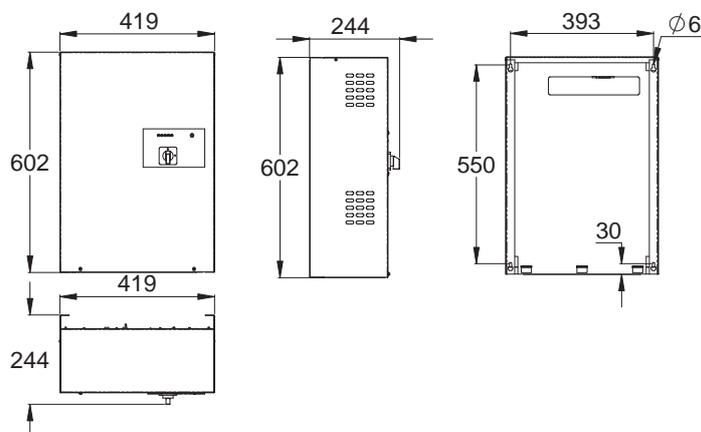
Saboroso, a Portuguese restaurant in Lahti, Finland

The Portuguese Restaurant located in the city center of Lahti in Finland uses Teknoware's 24 V central battery system.

Take a look at our other references at <http://www.teknoware.com/en/emergency-lighting/emergency-lighting-references>

Read more about traditional central battery systems from page 15.

DIMENSIONS



24 V CENTRAL BATTERY SYSTEMS

Product code	Max input power (mains)	Outputs	Output circuit	Max total load, mains operation	Max total load, 1 h battery operation	Max total load, 3 h battery operation	Space for batteries inside the unit	Max battery capacity	Weight (kg)
TKT3122	300 VA	4 x 120 W	Can be set in steps of two circuits / total 4 circuits: • maintained circuits max 120 W / circuit • non-maintained circuits max 190 W / circuit	250 VA	290 W	135 W	2 x 12 V / 24 Ah	24 Ah	12,5
TKT4144	1300 VA	8 x 120 W	Can be set in steps of two circuits / total 8 circuits: • maintained circuits max 120 W / circuit • non-maintained circuits max 190 W / circuit	960 VA	960 W	565 W	2 x 12 V / 38 Ah	100 Ah	24,0
TKT4188	1300 VA	16 x 120 W	Can be set in steps of two circuits / total 16 circuits: • maintained circuits max 120 W / circuit • non-maintained circuits max 190 W / circuit	1050 VA	1370 W	565 W	2 x 12 V / 38 Ah	100 Ah	24,5

| Output voltage: 24 V AC/DC | Batteries needed: 2 x 12 V (24 V) | Nominal supply voltage: 1~ N/PE 220-240 VAC, 50 Hz

BATTERIES (2 x TEAxx / xxAh)

Product code	Size of the battery (Ah)	Max total load, 1 h operation time	Max total load, 3 h operation time	Battery cabinet	Battery cable	Dimensions of the battery (mm)	Weight of the battery (kg)
TEA020	6,5 Ah	95 W	40 W	No separate battery cabinet /cables needed		151 x 65 x 98	2,4
TEA021	15 Ah	180 W	85 W	No separate battery cabinet /cables needed		181 x 76 x 167	5,9
TEA022	24 Ah	290 W	135 W	No separate battery cabinet /cables needed		166 x 175 x 125	8,7
TEA023	38 Ah	490 W	220 W	No separate battery cabinet /cables needed		197 x 165 x 173	13,8
TEA024	65 Ah	800 W	360 W	TK4100	XJ996	350 x 166 x 174	22,8
TEA024B	100 Ah	1370 W	565 W	TK2310	XJ996	327 x 168 x 210	33,5

| A 10 % reserve is recommended for the loads (W) mentioned in the table. | NOTE! TKT3122 max battery 2 x 24 Ah
Smallest acceptable size of the battery is 6,5 Ah

BATTERY CABINETS

Product code	Battery capacity	Weight (kg)
TK2310	2 x 12 V/150 Ah	15,5
TK4100	2 x 12 V/65 Ah	10,0

BATTERY CABLES

Product code	Length of the battery cable (m)	For
XJ996	1,5	≥15 Ah batteries

| Please note a peeling reserve in the length of the battery cable