



By Royal Charter

Kitemark™ Certificate

This is to certify that:

AWEX Spolka z o.o.
spolka komandytowa
Maslomiaca, ul. Długa 39
32-091 Michalowice
Poland

Holds Certificate Number:

KM 618352

In respect of:

BS EN 50171
Central power supply systems

This issues the right and licence to use the Kitemark in accordance with the Kitemark Terms and Conditions governing the use of the Kitemark, as may be updated from time to time by BSI Assurance UK Ltd (the "Conditions"). All defined terms in this Certificate shall have the same meaning as in the Conditions.

The use of the Kitemark is authorized in respect of the Product(s) detailed on this Certificate provided at or from the above address.

For and on behalf of BSI:


Chris Lewis - Certification Director, Product Certification

First Issued: 2016-02-22

Latest Issue: 2020-02-10

Effective Date: 2020-02-10

Expiry Date: 2022-10-01



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...making excellence a habit.™

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BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK.
A member of BSI Group of Companies.

Kitemark™ Certificate

No. KM 618352

Central Power supply systems to BS EN 50171:2001, BS EN 50272-1:2010, BS EN 60950:2006+A12:2011

BSI Test reports 8207333-1, 8486988 Rev 1

FZLV Central battery power supply system

Input voltage 230V +-10% (100 – 240V AC 50/60Hz), Class 1, IP 20,
Ambient temperature range -5° to +30°C

Output voltage 24V

System Capacity 80 luminaires at 24V DC

Model	Rated Current (Ah)	Battery type (Ah)	No of cells	Duration (hrs)
FZLV 12A	12	12	12	1, 2 or 3
FZLV 24A	24	24	24	1, 2 or 3
FZLV 33A	33	33	12	1, 2 or 3
FZLV 52A	52	52	24	1, 2 or 3

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**Central Power supply systems to BS EN 50171:2001, BS EN 50272-1:2010,
BS EN 60950:2006+A12:2011**

CBS Central battery power supply system, BSI Test report 8207333-2

Ratings Class 1, IP 21, Ambient temperature range -5° to +30°C

Rated output voltage 230V AC / 216V DC

Model	Rated Input (V)	Maximum System Power (kW)	No of Cells	Duration (Hrs)
CBS/24	400V / 230V 50Hz	20	108	1, 2 or 3
CBS/40	400V / 230V 50Hz	20	108	1, 2 or 3
CBS/56	400V / 230V 50Hz	20	108	1, 2 or 3
CBS/20C	230V 50Hz	5.5	108	1, 2 or 3
CBS/36C	230V 50Hz	5.5	108	1, 2 or 3
CBS/20	230V 50Hz	5.5	108	1, 2 or 3
CBS/36	230V 50Hz	5.5	108	1, 2 or 3
CBS/32C	230V 50Hz	5.5	108	1, 2 or 3
Central Battery System LPS	230V 50Hz	1.5 / 1 Hr 0.5 / 3 Hr	108	1 or 3

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BS EN 60950:2006+A12:2011**

BSI Test report 8207333-2

Central battery Sub-Station series

Ratings Class 1, IP 21, Ambient temperature range -5° to +30°C

Model	Rated Input (V)	Rated Output (V)	Maximum System Power (kW)
PBS/60	400V / 230V 50Hz	230V AC / 216V DC	17
PBS/44	400V / 230V 50Hz	230V AC / 216V DC	11
PBS/28	400V / 230V 50Hz	230V AC / 216V DC	11
PBS/40	230V 50Hz	230V AC / 216V DC	11
PBS/16	230V 50Hz	230V AC / 216V DC	8
PBS/40H	230V 50Hz	230V AC / 216V DC	11
PBS/20H	230V 50Hz	230V AC / 216V DC	8

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BSI Test reports 8207333-1, 8525814, 8486988 Rev 1

FZLV Central battery power supply system

Input voltage 230V +-10% (100 – 240V AC 50/60Hz), Class 1, IP 20, Ambient temperature range -5° to +30°C

Output voltage 24V

System Capacity 80 luminaires at 24V DC

Model	Rated current @ 3 Hrs (A)	Power output @ 3 Hrs (W)	Battery type (Ah)	No of cells	Duration (hrs)
FZLV 12 Ah	2.01	49	12	12	1, 2 or 3
FZLV 24 Ah	4.25	102	24	24	1, 2 or 3
FZLV MAX 33Ah	6.9	140	33	12	1, 2 or 3
FZLV MAX 52Ah	9.13	219	52	24	1, 2 or 3

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BS EN 60950:2006+A12:2011**

CBS Central battery power supply system, BSI Test report 8207333-2 and 8525814

Ratings Class 1, IP 21, Ambient temperature range -5° to +30°C

Rated output voltage 230V AC / 216V DC

Model	Rated Input (V)	Maximum System Power (kW)	No of Cells	Duration (Hrs)
CBS/40L	400V / 230V 50Hz	20	108	1, 2 or 3
CBS/64L	400V / 230V 50Hz	20	108	1, 2 or 3
CBS/24C	400V / 230V 50Hz	11	108	1, 2 or 3
CBS/48C	400V / 230V 50Hz	11	108	1, 2 or 3
CBS/24R	400V / 230V 50Hz	11	108	1, 2 or 3
CBS/48R	400V / 230V 50Hz	11	108	1, 2 or 3
CBS/32C	230V 50Hz	5.5	108	1, 2 or 3
Central Battery System LPS	230V 50Hz	1.5 / 1 Hr 0.5 / 3 Hr	108	1 or 3

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BS EN 60950:2006+A12:2011**

BSI Test report 8207333-2 and 8525814

Central battery Sub-Station series

Ratings Class 1, IP 21, Ambient temperature range -5° to +30°C

Model	Rated Input (V)	Rated Output (V)	Maximum System Power (kW)
PBS/72	400V / 230V 50Hz	230V AC / 216V DC	17
PBS/56	400V / 230V 50Hz	230V AC / 216V DC	11
PBS/32	400V / 230V 50Hz	230V AC / 216V DC	11
PBS/40	400V / 230V 50Hz	230V AC / 216V DC	11
PBS/16	230V 50Hz	230V AC / 216V DC	8
PBS/40H	230V 50Hz	230V AC / 216V DC	11
PBS/20H	230V 50Hz	230V AC / 216V DC	8
PBS/12H	230V 50Hz	230V AC / 216V DC	5.5

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Central Power supply systems to BS EN 50171:2001, BS EN 50272-1:2010, BS EN 60950:2006+A12:2011

CBS Central battery power supply system, BSI Test report 9716661-1 and 9716661-2

Ratings Class 1, IP 30, Ambient temperature range -5° to +30°C

Output voltage 48V DC, System capacity 160 elements at 48V DC

Model	Rated Input (V)	Maximum System Power 1hr / 3hr / 8hr	No of Cells	Duration (Hrs)
FZLV II 7.2 Ah	230V AC	166W / 64W / 25W	24	1, 3, 8
FZLV II 12 Ah		280W / 110W / 46W		
FZLV II 18 Ah		423W / 168W / 72W		
FZLV II 26 Ah		600W / 241W / 106W		
FZLV II 33 Ah		734W / 309W / 137W		
FZLV II 40 Ah		890W / 375W / 167W		

Elements can consist of the following:

Emergency luminaires, Phase loss sensor, potential free input module, potential free output module

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Central Power supply systems to BS EN 50171:2001, BS EN 50272-2:2001

CBS-E system is a combined ATS (Automatic Test System) and CBS (Central Battery System). It comprises of the following components:

Central Battery System – BS-EN 50171:2001; BS-EN 50272-2:2001
BSI Test Report 9628771 Rev1.

230V single phase/ 400V three phase (230V single phase output in normal mode and 220-180VDC output in emergency mode)

Central Battery System Substation – BS-EN 50171:2001
BSI Test Report 9628872

AC 400V/230V +/- 10%; 50/60Hz; IP21

CM NET Module – BS-EN 61347-2-11:2001+A1:2019 used in conjunction with BS-EN 61347-1:2015
BSI Test Report 9628775

Automatic test System – BS-EN 62034:2012
BSI Test Report 9628773

Model	Power	Maximum number of circuits	Access	Duration (Hrs)
CBS/32L-E	20	32	Front Access	1,2,3
CBS/80L-E	20	80		
CBS/32C-E	5.5	32		
CBS/40C-E	5.5	40		
CBS/48C-E	5.5	48		
CBS/72R-E	5.5	72		
CBS/48R-E	5.5	48		
LPS/4-E	1.5	4	Front Access	1,2,3
LPS/8-E	1.5	8		
LPS/16-E	1.5	16		
LPS/24-E	1.5	24		
PBS/80-E	17	80	Front Access	1,2,3
PBS/56/E	11	56		
PBS/32-E	11	32		
PBS/40-E	11	40		
PBS/24-E	8	24		
PBS/48H-E	11	48		
PBS/32H-E	8	32		
PBS/16H-E	5.5	16		

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