

SITEFLEX® LCC

OUTDOOR BATTERY SOLUTION

OVERVIEW

The SiteFlex® battery solutions offers a robust and environmentally controlled solution for easy and fast outdoor deployment of battery backup systems.

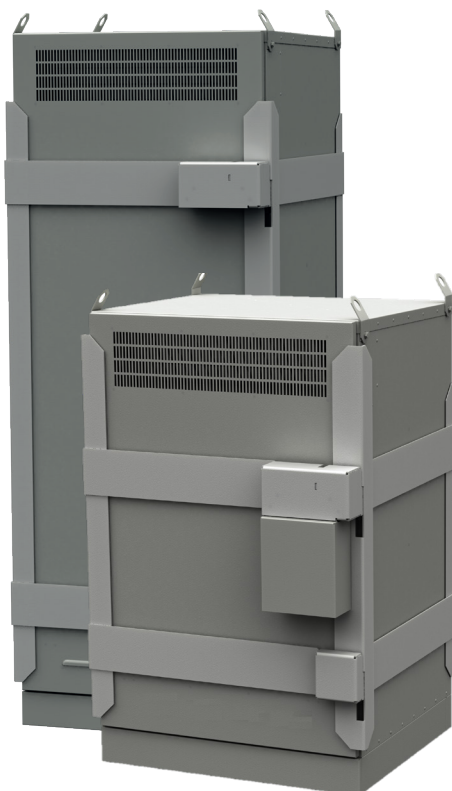
Solution	Battery type	Thermal management	Battery*
LCC 8-12F	12V	DAC	SBS 170F/ 190F/ 210F
LCC 8-12A	12V	ACU	SBS 170F/ 190F/ 210F
LCC 16-12F	12V	DAC	SBS 170F/ 190F/ 210F
LCC 16-12A	12V	ACU	SBS 170F/ 190F/ 210F
LCC 24-2F	2V	DAC	SBS 580
LCC 24-2A	2V	ACU	SBS 580

* Please consult EnerSys for other battery types.

The solution is designed with passive ventilation of the hydrogen gas.

To enhance the protection of the battery installation the solution comes with two options for anti-theft purposes.

- Anti-theft armor belt
- Anti-theft cover for door handle



Armor belts



LCC8-12F - 2 tier solution for 12V block with DAC



LCC16-12F - 4 tier solution for 12V block with DAC



LCC 24-2F - 6 tier solution for 2V block with DAC



ENCLOSURE DESIGN

- Zinc plated steel
- Polyester powder paint, light grey (RAL 7035)
- Internal thermal insulation



THERMAL MANAGEMENT DAC (DIRECT AIR COOLING)

- Cooling capacity: 1000W @ $\Delta t < 5^{\circ}\text{C}$ (Internal Δt)
- Microprocessor controlled fan speed
- Fan type: Axial (Two fans working in parallel)
- Nominal voltage: -48VDC
- Air filters: G4 at delivery. Optional M5 filter



THERMAL MANAGEMENT ACU (AIR CONDITION UNIT)

- Cooling capacity @ 35/35: 550 W
- Power consumption @35/35: 230 W
- COP @ 35/35: 2,4
- Nominal internal $t = +24^{\circ}\text{C}$, Internal $\Delta t = 3-5^{\circ}\text{C}$
- Fan type: Axial
- Nominal voltage: -48VDC



ENVIRONMENT

- Ingress protection: IP45
- Operating temp: -33°C to $+55^{\circ}\text{C}$
- Humidity: 0-100%



ALARMS

- Climate failure only for DAC version
- High temp alarm only for ACU version
- Door contact
- Battery breaker alarm (optional)



CABLE INLETS

- 6 membrane grommets for cable diameter max. 13.5mm
- 4 membrane grommets for cable diameter max. 21mm



MECHANICAL

- Three-point locking systems
- Handle prepare for EURO-half cylinder and padlock (locking cylinder on request)

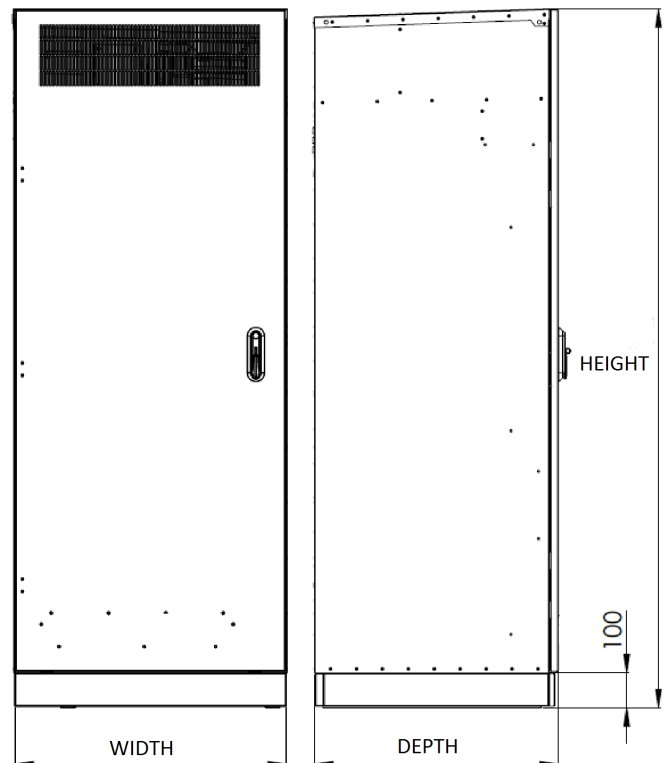
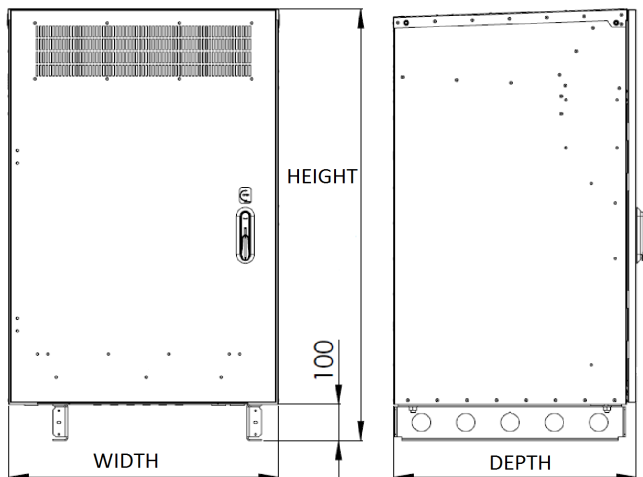


STANDARDS AND CERTIFICATION

- The product is CE marked
- Product safety acc. to EN 62368-1 and EN 60950-22
- Electromagnetic compatibility acc. to ETSI EN 300 386
- Environmental protection IP45 acc. to EN 60529
- Burglar protection RC3 acc. to EN 1627 (cabinet with security belt kit)
- Burglar protection RC4 acc. to EN 1627 (cabinet with rail lock kit)
- The product is RoHS compliant acc. to EU directive 2011/65/EU
- The product is WEEE compliant acc. to EU directive 2012/19/EU



DIMENSIONS



Description	Part number	Overall dimension H x W x D	Product weight kg
LCC 8-12F - 2 tier cabinet with DAC for 12V block, incl. 2 battery shelves	2000005698	1282 x 780 x 696	95
LCC 8-12A - 2 tier cabinet with ACU for 12V block, incl. 2 battery shelves	2000005682	1282 x 780 x 696	110
LCC 16-12F - 4 tier cabinet with DAC for 12V block, incl. 4 battery shelves	2000005172	1927 x 730 x 656	150
LCC 16-12A - 4 tier cabinet with ACU for 12V block, incl. 4 battery shelves	2000005173	1992 x 730 x 696	170
LCC 24-2F - 6 tier cabinet with DAC for 2V block, incl. 6 battery shelves	2000005283	1927 x 730 x 656	170
LCC 24-2A - 6 tier cabinet with ACU for 2V block, incl. 6 battery shelves	2000005284	1992 x 730 x 696	190

OPTIONS

Description	Part number					
Cabinet version	2000005698	2000005682	2000005172	2000005173	2000005283	2000005284
Armour belt	2000005700	2000005701	2000005290	2000005291	2000005290	2000005291
Handle cover for 2 tier cabinet belt kit	2000005719	2000005719				
Plint cover	2000005298	2000005299	2000005298	2000005299	2000005298	2000005299
Anti theft cover for the door handle (complete door)	2000005702	2000005703	2000005305	2000005306	2000005305	2000005306
Battery cable string 1 (12V)	2000005292	2000005292	2000005292	2000005292		
Battery cable string 2 (12V)	2000005293	2000005293	2000005293	2000005293		
Battery cable string 3 (12V)			2000005294	2000005294		
Battery cable string 4 (12V)			2000005295	2000005295		
Battery breaker for one string (from string 2 to 4)	2000005296	2000005296	2000005296	2000005296		
Battery breaker alarm for string 1 to 4	2000005297	2000005297	2000005297	2000005297		
Heater for string 1	2000005300	2000005301	2000005300	2000005301	2000005308	2000005309
Heater for string 2-4	2000005302	2000005303	2000005302	2000005303		
EVS (Emergency Ventilation Cooling)		2000005699		2000005699		2000005699
Battery cable for 2V cabinet					2000005307	2000005307
Air filter M5	2000005304		2000005304		2000005304	



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