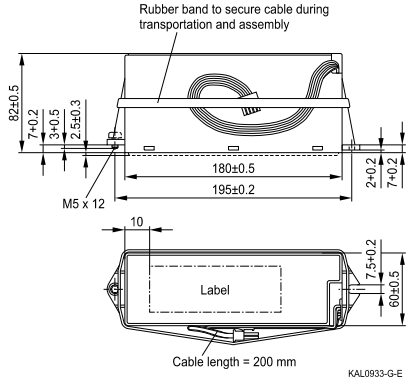
Features

- Cable connector
- Passive cell voltage balancing
- Case material polyethylene, black
- Energy type
- 12 serial single cells of 110 F
- Maintenance-free
- Short-circuit-proof
- Fast-acting blowout fuse 20 A

Note

- Please pay attention to the safety, transport and waste disposal instructions in chapter "Cautions".

Dimensional drawing



Dimensions in mm

Electrical specifications

Rated capacitance	(T_A = 25 °C; DCC)[1]	C_R	9	F
Tolerance of C_R			−10/+30	%
Rated voltage	(T_A = 25 °C)	V_R	28	V
Specific power	(matched load)		3.3	kW/kg
Specific power	(matched load)		2.7	kW/l
Stored energy	($V = V_R$)	E	3528	J
Specific energy	($V = V_R$)		1.3	Wh/kg
Specific energy	($V = V_R$)		1.1	Wh/l
Surge voltage		V_{surge}	32	V
Bias current	(24 h; T_A = 25 °C; $R_{sym,cell}$ = 470 Ω)	I_{bias}	6	mA
Maximum series resistance	(T_A = 25 °C; 1 kHz)	ESR	80	mΩ
Maximum series resistance	(T_A = 25 °C; 50 mHz)	ESR_{DC}	150	mΩ
Weight			0.8	kg
Volume			0.9	l
Operating temperature range		T_{op}	−30/+70	°C
Storage temperature	(V = 0 V)	T_{st}	−40/+70	°C
Lifetime (hours)[2]	(T_A = 25 °C; $V = V_R$)		90000	h
Lifetime (cycles)[3]	(T_A = 25 °C; I = 100 A)		500000	cycles

1) DCC: discharging with constant current.
2) Requirements: $|\Delta C/C_R| \leq 30\%$, ESR ≤ 2 times of specified limit, I_{leak} ≤ 2 times of initial value.
3) Requirements: $|\Delta C/C_R| \leq 30\%$, ESR ≤ 2 times of specified limit, I_{leak} ≤ 2 times of initial value (1 cycle: charging to V_R, 30 s rest, discharging to $V_R/2$, 30 s rest).