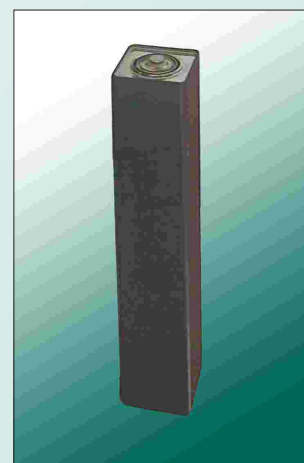


Zebra Batteries are designed for electric and hybrid vehicles.
They use salt and nickel for electrode materials with a ceramic electrolyte.

Technical data _____ ZEBRA® Battery _____ Type _____ Z12

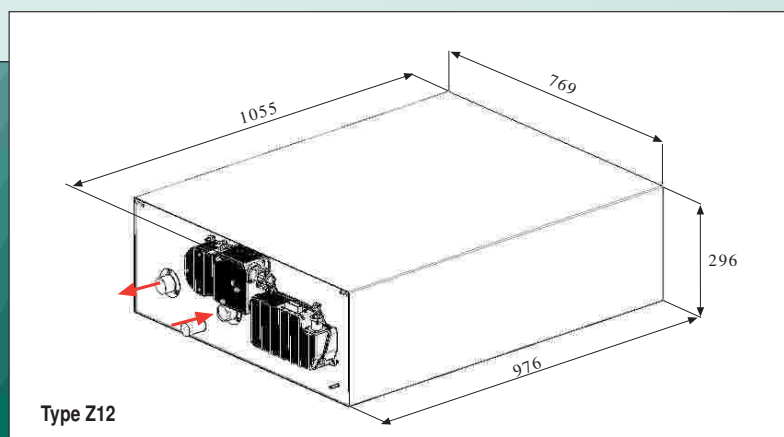
		Z12-278-ML3X-152	Z12-557-ML3X-64
	<i>Id. No.</i>	<i>30x00099</i>	<i>30x00175</i>
	<i>unit</i>		
Capacity	Ah	152	64
Rated Energy	kWh	42.3	35.7
Open circuit voltage			
0 - 15% DOD	V	278	557
Max. regen. voltage	V	335	626
Min. op. voltage	V	186	371
Max. discharge current	A	350	224
Cell Type / N° of cells		ML3X / 432	ML3X / 432
Weight with BMI	kg	358	358
Specific energy without BMI	Wh/kg	120	101
Energy density without BMI	Wh/l	191	160
Energy 2 h discharge	kWh	38	32
Specific power	W/kg		181
Power density	W/l		288
Peak power	kW	64	64
2/3 OCV, 30s, 335°C		70% DOD	80% DOD
Ambient temperature	°C	-40 to +50	
Thermal loss	W	165	
at 270°C internal temperature			
Cooling		air	
Heating time	h	35 h at 230 VAC	
Periphery		BMI, Fan	
		EV Application	HEV Application
On board generator			
MAX voltage, up to 70%SOC	V/Cell	n.a.	2.7



ZEBRA® Cell

System design recommendation:

- MES-DEA Charger
- Min. discharging time: 120 min.
- Max. degree of discharge: 80%



Type Z12

The information contained herewith is subject to change without notice

