

ZEBRA SoNick Batteries are designed for electric and hybrid vehicles and storage systems. They use salt and nickel for electrode materials with a ceramic electrolyte.

		Z5-278-ML3X-64 <i>Id.nr.</i> 30x00006	Z5-557-ML3X-32 30x00007	Z5-278-ML3X-76 30x00129	Z5-557-ML3X-38 30x00131
	<b>Unit</b>				
Capacity	Ah	64	32	76	38
Rated Energy	kWh	17.8	17.8	21.2	21.2
Open circuit voltage 0 - 15% DOD	V	278	557	278	557
Max. regen. voltage	V	313	626	335	670
Min. op. voltage	V	186	372	186	372
Max. discharge current	A	224	112	224	112
Cell Type / nr. of cells		ML3X/216		ML3X/216	
Weight with BMI	kg	182		182	
Specific energy without BMI	Wh/kg	100		119	
Energy density without BMI	Wh/l	152		181	
Energy 2 h discharge	kWh	16		18	
Specific power	W/kg	179		169	
Power density	W/l	273		257	
Peak power	kW	30		30	
2/3 OCV, 30s, 335°C		80% DOD		70% DOD	
Ambient temperature	°C	-40 to +50		-40 to +50	
Thermal loss at 270°C internal temperature	W	< 105		< 105	
Cooling		air		air	
Heating time	h	24 h at 230 VAC		24 h at 230 VAC	
Periphery		BMI, Fan HEV Application		BMI, Fan EV Application	
On board generator MAX voltage, up to 70% SOC	V/Cell	2.7		n.a.	

### SYSTEM DESIGN RECOMMENDATION:

- MIN. DISCHARGING TIME: 120 MIN.
- MAX. DEGREE OF DISCHARGE: 80%

# Z5

