

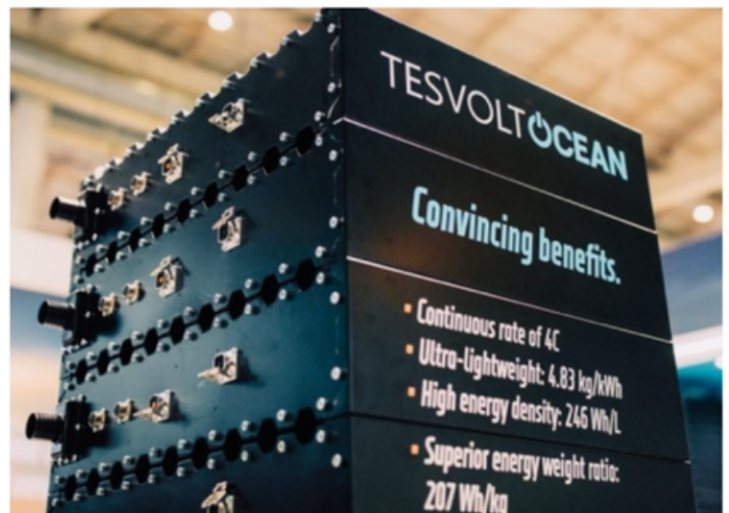
## Module (NMC)

Feature	Value	Unit
VCC min.	66,0	V
MAX VCC	104,4	V
Nominal VCC	89,3	V
Gross capacity	16,0	Kwh
Net capacity	12,8	Kwh
Module weight	77,0	KG.
Module height	162	mm
Module Width	680	mm
Module Depth	584	mm
Module Volume	64,3	l
Volumetric Energy Density	248,2	Wh/l
Gravimetric Energy Density	207,4	Wh/kg
Heat dissipation at 0.1C	3,9	W
Heat dissipation at 2°C	1,7	Kw
Heat dissipation at 4°C	6,3	Kw
IP Class	67	
Shock resistance	10	G
Mounting / fixing	"Any angle "free rack"	
Operating Temperature	-20 a +55	°C
Air cooling		
Liquid cooling (optional)	Recommended to >2C	



## Maximum Series Chain Configuration

Feature	Value	Unit
Maximum number of modules in chain (series)	12	PCS
Gross Chain Capacity	191,6	Kwh
Rope Net Capability	153,3	Kwh
Min. voltage chain	792,0	VDC
Nominal String Voltage	1.071,4	VDC
Max. voltage chain	1.252,8	VDC
Charge rate C cont.	4	C
Discharge rate C cont.	4	C
Vegetables	7	C
Weight rope	924,0	KG.
Energy density gravity metric	4,8	kg/kWh
Volume Chain	776,8	l



**TESVOLT OCEAN's new Kaptein battery module combines multiple USPs:** in a market comparison, it has the lightest weight, the highest energy density, and the highest C-rate.

**Maximum range for boats:** With the highest energy density on the market of 246 Wh/l, the Kaptein battery system offers more storage capacity with minimal space requirements.

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