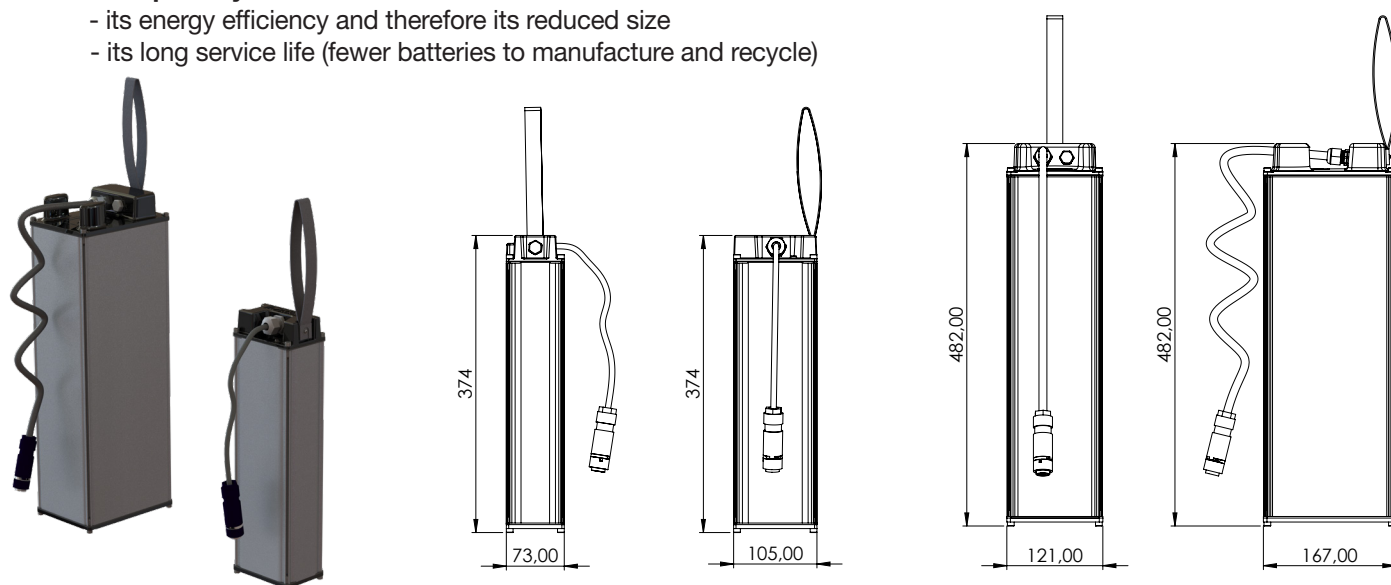


# DATA SHEET OF BATTERY NOVBAT WITH TECHNOLOGY ENDURANCE +

## KEY STRENGTHS

- **The longest lifespan on the market** : > 20 years (8 000 cycles at 30% DoD at 25°C; i.e. 8 000 nights, > 20 years).
- **Fully functional at extreme temperatures** : -20 °C to +65 °C.
- **Maximum energy efficiency** :  
Advantage: Reduction of the required nominal capacity compared to other types of technology (NiMh and Lead) thanks to better usage rate and yield.
- **Lighter and less bulky compared to other technologies** :  
3 times less than lead, 1.5 times less than Nimh.
- **More environmentally friendly** : The components used (aluminium for the envelope separator, Lithium, Iron and Phosphate) limit the environmental impact during production and facilitate recycling.
- **Less primary resources are used thanks to** :
  - its energy efficiency and therefore its reduced size
  - its long service life (fewer batteries to manufacture and recycle)



## TECHNICAL CHARACTERISTICS OF BATTERIES

ELECTRICAL CHARACTERISTICS	Modèle de NOVBAT	NOVBAT S				NOVBAT XL							
	Total energy capacity (Wh)	214	218	345	428 (2*214)	436 (2*218)	532	557	696	772	1064 (2*532)	1114 (2*557)	1229
Service life	> 8 000 cycles @ 1C 30 % DOD @ 25 °C												
Monthly self-discharge	< 3 % @ 25 °C												
Load efficiency	100 % @ 0,5 C												
Efficiency in discharge	98 % @ 1C												
Rate of use	90 %												
Operating temperature	-20 °C to +65 °C												
MECHANICAL CHARACTERISTICS	Materials	Extruded aluminium											
	Weight (kg)	3	3	4.2	6.4	6.4	7.2	7.4	8.7	9.3	11.8	12.2	13.6
	IP index	IP 66											
	Cabling	Pre-cabled with fast and waterproof connectors											
NORMS	Applicables norms	UN 38.3 Transport of dangerous goods / test protocol according to NFC 58-510 / CEM / EN 55015 / EN 55015 / EN 61000 (see declaration of conformity in certifications)											