



SODIUM	
SoNick 48TL	SoNick RW
	
Sodium Nickel Chloride	Sodium Nickel Chloride
Energy storage devices with lowest cost of ownership and zero ambient emission, designed to operate in extreme temperature conditions	

- main application
- secondary application

application & usage	application	telecom	railway
	designed for use also at elevated temperature	●	●
	unstable grid installation	●	
	off-grid installation	●	
technology & design	technology	sodium nickel chloride cells	sodium nickel chloride cells
	target discharge profile	up to 12h discharge	up to 12h discharge
	deep discharge	✓	✓
	design life*	20 years at -20° to +60°C operation	20 years at -25° to +65°C operation
	maintenance	zero maintenance & remote monitoring	zero maintenance & remote monitoring
	interface	48TL80: RS 232 (option RS 485) others: RS 485 / USB / Ethernet / CAN-bus	CAN-bus
	applicable standards	- EN 61000-6-1 - CE - CAS Nr 7440-02-0: Nickel specification - NEBS Level-1 DA-1976 48TL200: certified 48TL120, 48TL160, 48TL160H: designed to comply	Designed to comply with: - IEC 60571 / 61373 / 61571 / 61991 / 62236-3-1 - EN 50121-1 / 51121-3-1 / 51121-3-2 / 50126 / 50128 / 50129 / 50155:2007 - EN 60529 (IP65) - NFPA 130 - UL-1973
	nominal voltage	48V	110V
	capacity range	80 to 200 Ah	80 Ah
	energy density	70% lighter and 30% smaller than conventional technologies	70% lighter and 30% smaller than conventional technologies
	casing	double stainless steel case**	double stainless steel case
energy storage room	zero emission no venting required	zero emission no venting required	

* in float operation

** 48TL-H models: optimized insulation to guarantee lowest thermal loss and maximize the energy efficiency of the energy storage device