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20S NiMH Battery Pack

UNDERWATER POWER SOURCE

The Evologics 20S NiMH rechargeable underwater battery pack is an efficient power source for mid- and long-term subsea deployments of S2C devices. The battery is optimized for the pulsing load of underwater acoustic modems.

NiMH cells ensure high-performance and long operating life. These batteries may be shipped by air transport as they are considered not restricted once the shipper complies with IATA provisions. A selection of housing options is available for different operating depths.

The **applications** include:

- · Subsea observatories
- · Autonomous underwater equipment
- Underwater sensor networks

HOUSING MATERIAL Delrin, AlMg, Stainless Steel, Titanium DEPTH RATING 200 m (Delrin), 2000 m (AlMg, Stainless Steel), 6000 m (Titanium) CONNECTOR TYPE Subconn 6-pin connector FCR1506F CELL TYPE NiMH D secondary (rechargeable) LSD (low self-discharge) cell CELL CHEMISTRY NiMH BATTERY CONFIGURATION 20S BATTERY CAPACITY 10 Ah / 240 Wh NOMINAL VOLTAGE 24 V MAXIMUM VOLTAGE 26 V END-OF-DISCHARGE VOLTAGE (EODL) 20 V DIMENSIONS* Delrin housing VEIGHT* Delrin, dry/wet OPERATING TEMPERATURE RANGE -10°C to +45°C STORAGE TEMPERATURE RANGE -15°C to +40°C				
VOUNT Subconn 6-pin connector FCR1506F VOUNT CELL TYPE CELL TYPE Ni/MH D secondary (rechargeable) LSD (low self-discharge) cell CELL CHEMISTRY Ni/MH BATTERY CONFIGURATION 20S BATTERY CAPACITY 10 Ah / 240 Wh NOMINAL VOLTAGE 24 V MAXIMUM VOLTAGE 26 V END-OF-DISCHARGE VOLTAGE (EODL) 20 V DIMENSIONS* Delrin housing WEIGHT* Delrin, dry/wet OPERATING TEMPERATURE RANGE -10°C to +45°C	GENERAL	HOUSING MATERIAL		Delrin, AlMg, Stainless Steel, Titanium
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VIEW CELL CHEMISTRY NiMH BATTERY CONFIGURATION 20S BATTERY CAPACITY 10 Ah / 240 Wh NOMINAL VOLTAGE 24 V MAXIMUM VOLTAGE 26 V END-OF-DISCHARGE VOLTAGE [EODL] 20 V DIMENSIONS* Delrin housing WEIGHT* Delrin, dry/wet OPERATING TEMPERATURE RANGE -10°C to +45°C		CONNECTOR TYPE		Subconn 6-pin connector FCR1506F
VIEW CELL CHEMISTRY NiMH BATTERY CONFIGURATION 20S BATTERY CAPACITY 10 Ah / 240 Wh NOMINAL VOLTAGE 24 V MAXIMUM VOLTAGE 26 V END-OF-DISCHARGE VOLTAGE [EODL] 20 V DIMENSIONS* Delrin housing WEIGHT* Delrin, dry/wet OPERATING TEMPERATURE RANGE -10°C to +45°C	BATTERY	CELL TYPE		NiMH D secondary (rechargeable) LSD (low self-discharge) cell
BATTERY CAPACITY 10 Ah / 240 Wh NOMINAL VOLTAGE 24 V MAXIMUM VOLTAGE 26 V END-OF-DISCHARGE VOLTAGE (EODL) 20 V DIMENSIONS* Delrin housing WEIGHT* Delrin, dry/wet OPERATING TEMPERATURE RANGE -10°C to +45°C		CELL CHEMISTRY		
NOMINAL VOLTAGE 24 V MAXIMUM VOLTAGE 26 V END-OF-DISCHARGE VOLTAGE (EODL) 20 V DIMENSIONS* Delrin housing WEIGHT* Delrin, dry/wet OPERATING TEMPERATURE RANGE -10°C to +45°C		BATTERY CONFIGURATION		205
MAXIMUM VOLTAGE 26 V END-OF-DISCHARGE VOLTAGE (EODL) 20 V DIMENSIONS* Delrin housing WEIGHT* Delrin, dry/wet OPERATING TEMPERATURE RANGE -10°C to +45°C		BATTERY CAPACITY		10 Ah / 240 Wh
DIMENSIONS* Delrin housing WEIGHT* Delrin, dry/wet OPERATING TEMPERATURE RANGE -10°C to +45°C	VOITAGE	NOMINAL VOLTAGE		24 V
Image: Point Sions* Delrin housing L 348 x Ø 110 mm Image: Point Sions* Delrin, dry/wet 6000 / 2700 g Image: Point Sions Point Sions Point Point Sions -10°C to +45°C		MAXIMUM VOLTAGE		26 V
WEIGHT* Delrin, dry/wet 6000 / 2700 g OPERATING TEMPERATURE RANGE -10°C to +45°C		END-OF-DISCHARGE VOLTAGE (EODL)		20 V
OPERATING TEMPERATURE RANGE -10°C to +45°C		DIMENSIONS*	Delrin housing	L348 x Ø110 mm
		WEIGHT*	Delrin, dry/wet	6000 / 2700 g
				10%01
STORAGE TEMPERATURE RANGE -15°C to +40°C		OPERATING TEMPERATURE RAINGE		-10 C to +45 C
		STORAGE TEMPERATURE RANGE		-15°C to +40°C



* Dimensions and weight of Delrin housing configuration. Other builds are heavier, dimesions vary.

Specifications subject to change without notice. © Evologics GmbH - October 2019