

Subsea Li-Ion PowerPack

Smart Li-Ion Technology 14.8V / 45Ah

- ▶ **The battery pack can be customized.**
- ▶ **Use two packs to double the capacity or voltage**
- ▶ **No need to open the housing! Charge under water.**



Picture: double packs for double capacity or voltage with ROV switch

Technology	Li-Ion rechargeable battery with high-power, high safety, highly reliable cells and BMS	
Applications	Subsea Instrumentation, long-time deployments, Datalogger, Monitoring Stations and Equipment, Telemetry	
Housing	Titanium Ø 90 mm, Length 530mm, customizing on request	
Weight	7.1 kg	90 x 530mm housing
Connector	MCBH-5F	SUBCONN® Micro connector • other on request
Operating depth	Standard 2000m, deep-sea version 4000m and 6000m	
Temperature	-20 ... +60 °C	Operating temperature
	0 ... +40 °C	Charge temperature
	-20 ... +50 °C	Storage temperature
Voltage	14.8 V	Open voltage
	12.0 V	Minimum voltage
	10.0 V	Minimum voltage for full lifetime and performance
Capacity	45 Ah	Rated capacity, +20°C, after 50 cycles
	41 Ah	Typical capacity, 0°C, after 100 cycles
Current	7 A	max. continuous current, other on request
Self discharge	20 %	per year at +25°C, 10% per year at 0°C
Charge cycles	>500 cycles	for 80% remaining capacity
Protection	17.4 V over-charge, 9 V uUnder voltage discharge, 9 A current limiting after 1s	
Charger	Smart Charger, can be connected all time. Do not open the housing for charging. Special procedure to revive deeply discharged batteries. Signal LEDs for Power, Charging, 100%, Error. IP65 protected for on-board usage. 195 ... 265VAC supply voltage	
Switch	Optionally remote switch for ROV or Diver operation	
Special supply	Optionally special power supplies with DC/DC	
Transportation	The battery must be transported as dangerous goods class 9. SubCtech is registered as a vendor of batteries. Can be transported by sea, air or road. We are pleased to advise you.	





Key References for Subsea Power Solutions

ACT Alliance for Coastal Technologies, USA

Antares Offshore, Houston US

AWI Alfred-Wegener-Institut, Germany

Aquadyne AS, Norway

Baltic Research Centre IOW, Germany

Contros, Germany

DOF Subsea (former Geo ASA), Norway

HCMR, Greece

IFM-GEOMAR, Germany

Kongsberg, Norway

KORDI, Korea

Paal Nordby OAN, Norway

Sub-Atlantic, UK

Tecnomare ENI, Italy

University of Fairbanks, Alaska

Williamson & Associates, Seattle & Rwanda

Zealquest, China

