Sunny Bright Offshore Support Vessel (OSV)

Taiwanese Flag
CR and BV Class Entry
Hybrid Vessel
Largest ROVSV and Survey Vessel in Taiwan
DP1







V.52025110

Specification

General Information

Name	Sunny Bright
Flag and port of registry	Taiwan / Kaohsiung Port
Year	2013
Call sign	BR4681
IMO number	9668520
MMSI	416254700
Vessel type	Offshore Support Vessel
Full class notation	CR + BV

Delivery Rates

Cargo MDO	2 x 200 m³ / h at 60 m
Cargo fresh water	50 m³ / h at 60 m
Ballast / Fire pump	75 m³ / h at 50 m
Bilge system	75 m³ / h at 50 m

** Main cargo fuel oil tanks equipped with heating system to accept optional charterer supplied, plug and play 500 kW thermal oil heater (capable of heating 895 m³ HFO from 35 °C to 50 °C in less than 72 hours).

Dimensions

Length overall	53.80 m
Beam	13.00 m
Depth	6.30 m
Max. / Design draft	4.80m / 4.00 m
Deadweight (approx @ max draft)	1,360 MT
GT (Gross tonnage)	1,358 tonnes
NT (Net tonnage)	407 tonnes

Accommodations

Certified to carry	30 pers. (including 12 passengers)
Single cabins	2
2 man cabins	8
4 man cabins	3
1 sickbay	1

** Mess room, laundry, galley, dry provisions, freezer & cargo reefer rooms (+4 °C & -21 °C), stores, crew changing, seismic recording room, fully air-conditioned.

Capacities

Deck area: (LxB)	(23.0 x 10.2m) approx. 230 m²
Min point loading: (T / m²)	5 MT / m²
Max. deck cargo	205 MT
Domestic MDO: (@ 97%)	276 m³
Cargo MDO / MGO	950 m³
Fresh water	121m³
Ballast water	519 m³
Lub oil	10 m³
Thermal oil	4 m³
Cargo slops	10 m³

Machinery / Performance

Propulsion-Machinery

Main diesel engines	Caterpillar 3512Cx2 / 1174.5 kW
Auxiliary diesel generators	Caterpillar C18x3 / 550 kW
Electric motor plant	2 x 350 kW
Main propulsion	2 x Hybrid propulsion package on CP propellers
Rudders	2 x Flap rudders
Bow thrusters	Berg Propulsion BFTT 109x2 / 300 kW
Emergency generator	Caterpillar C4.4 / 95 kW

Equipment & Electronics

Deck Equipment

Windlass	1 x 10 MT pull @ 11m / mn
Capstan (2 variable speeds)	5T @ 15m / mn & 10T @ 10m / mn
Knuckle boom deck crane (electro-hydraulic)	3 MT @ 12 m
Davit for Workboat	10T lifting capacity @ 30m / mn
A-frame	10T lifting capacity @ 30m / mn

Safety Equipment

- 4 liferafts (2 x 16 pers, 2 x 20 pers)
- 1 rescue boat (6 pers) outboard engine 25 hp with davit

Electronics-Navigation

- 2 radars with ARPA, 2 DGPS, 1 GPS 2 gyrocompass, 1 magnetic compass, 1 autopilot, 1 echo sounder, 1speed log, loading software.

Electronics-Communication

- 1 radio system compliant with GMDSS A2 rules:
  - 2 VHF, 1 Inmarsat C, V-Sat, MF radio system, Navtex with printer,
  - weather fax, AIS.
- 1 EPIRB, 1 Fleet broadband 500, 2 UHF.
- 4 portable UHF, 3 portable VHF, Intercom & Public address system.

Special Equipment

- Fuel hose: 30M × 1PCS 3'' & 60M × 1PCS 3''
- Storage winch for In-line bunkering distance line: 120m of polypropylene line capacity.
- Blister and moonpool for seismic instruments.
- Primary fenders (Certified Yokohama): 2 x of 2.00m dia x 3.50m length.
- Secondary fenders: 4 x of 1.00m dia x 2.00m length.
- Main deck pre-structured to receive foundation based on 20'ISO container (weight: 40t).
- Reefer sockets for containers (440V x 3PCS).
- Survey pole: able to deploy the survey equipment.
- Mid-ship A-frame compatible with a full range of DWTEK ROVs.

CONTACT US

Headquarter

☎ +886-4-2211-8947
🖷 +886-4-2211-2890
✉ info@dwtek.com.tw
🌐 www.dwtekmarine.com

Taipei Office

☎ +886-2-2726-2868
🖷 +886-2-2726-0968
✉ info@dwtek.com.tw

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