S 28 Vanguard - 2022

United Kingdom

Type: SSBN - Nuclear Powered Ballistic Missile Submarine

Max Depth: -300 m

Max Speed: 25 kt

Commissioned: 2022

Length: 149.9 m

Beam: 12.8 m

Draft: 12.0 m

Crew: 141

Displacement: 13000 t

Displacement Full: 16200 t

Propulsion: 1x Rolls-Royce PWR.2 Nuclear Reactor

Sensors / EW:
- Type 2043 [Type 2054 Suite] - (Type 2020EX MODEX) Hull Sonar, Active/Passive, Hull Sonar, Active/Passive Search, Max range: 37 km
- Type 1007 - (1988, KH 1007) Radar, Radar, Surface Search & Navigation, Max range: 177.8 km
- UAP-3 - (Vanguard) ESM, ELINT w/ OTH Targeting, Max range: 926 km
- Type 2082 - (1994) Acoustic Intercept (Active Sonar Warning), Acoustic Intercept, Passive Ranging, Max range: 27.8 km
- Type 2044 [Type 2054 Suite] - (1994) TASS, Passive-Only Towed Array Sonar System, TASS, Passive-Only Towed Array Sonar System, Max range: 129.6 km
- Type 2045 [Type 2054 Suite] - (1994) Acoustic Intercept (Active Sonar Warning), Acoustic Intercept, Max range: 127.8 km
- Generic Submarine Periscope, Optical - (2010s, 1.5x/12x Zoom) Visual, Visual, Surveillance Periscope, Max range: 41.7 km
- Generic Submarine Periscope, LLTV - (2000s/2010s, Gen 3, 1.5x/8x Zoom) Visual, LLTV, Surveillance & Navigation Camera, Max range: 41.7 km

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Weapons / Loadouts:
- UGM-133 Trident II D5 (8x W76-0 Nuclear 100kT) - (1991) Guided Weapon. Land Max: 12038 km.
- SCAD 102 - (Internal) Decoy (Expendable). Subsurface Max: 1.9 km.
- SCAD 200 - Decoy (Expendable). Subsurface Max: 1.9 km.
- Spearfish Mod 1 - (2022) Torpedo. Surface Max: 11.1 km. Subsurface Max: 11.1 km.