

66kV High Voltage Enclosure

IP66/67

Designed to operate in the harshest of marine conditions and to accommodate the demand for increased voltages, our 66kV enclosures are suitable for offshore applications including wind farms and offshore platforms.

Separable, highly insulated tee connectors are housed within our field proven stainless-steel SX enclosures for maximum environmental protection. They can be configured either as through wall or dual mounted connections. The former has the option of two separate, lockable compartments that can be individually secured. This allows subsea and topside connections to be made in isolation by different installation contractors.

Ex Rated version available.

- Marine-grade stainless steel enclosure
- Compact tee connectors up to 72.5kV.
- EPDM jacket for 'safe to touch' screening.
- Complete protection against partial discharge.
- 100% AC withstand fault tested.



Image shows a through wall connection.

Enclosure Ratings

Product Reference*	Width (mm)	Height (mm)	Depth (mm)	Maximum Voltage (kV)	Maximum Current (A)	Maximum Conductor Size (mm ²)	Maximum Ways	Weight (kg)
6SJB883 0-2	800	1250	800	66 (72.5 max)	1250	1200	4	176

Standard Specification

Enclosure Type	Stainless Steel High Voltage Enclosure
Ingress Protection	IP66/67 to EN60529, DTS-01
Impact Resistance	>7Nm
Material	2mm 316L (EN 1.4404) Stainless Steel enclosure, silicone gasket and captive 316 stainless steel fasteners, 3mm 316L (EN 1.4404) Stainless Steel gland plates. HV Connector manufactured from EPDM for operational reliability.
Ambient Temp Rating	-50°C to +55°C
Maximum Terminations	4 conductors per phase in & 4 conductors out
Cable Size	Up to 1200mm ²
Earthing	Via studs on enclosure, base and gland plates
Mounting	Via 3mm thick external straps, slotted upper strap for ease of installation. Plinth stand optional.
Termination	Built-in semi-conductive screen removes the need for a termination kit and eliminates partial discharge.
Installation	Separate compartments allowing topside and subsea connections to be made independently.

