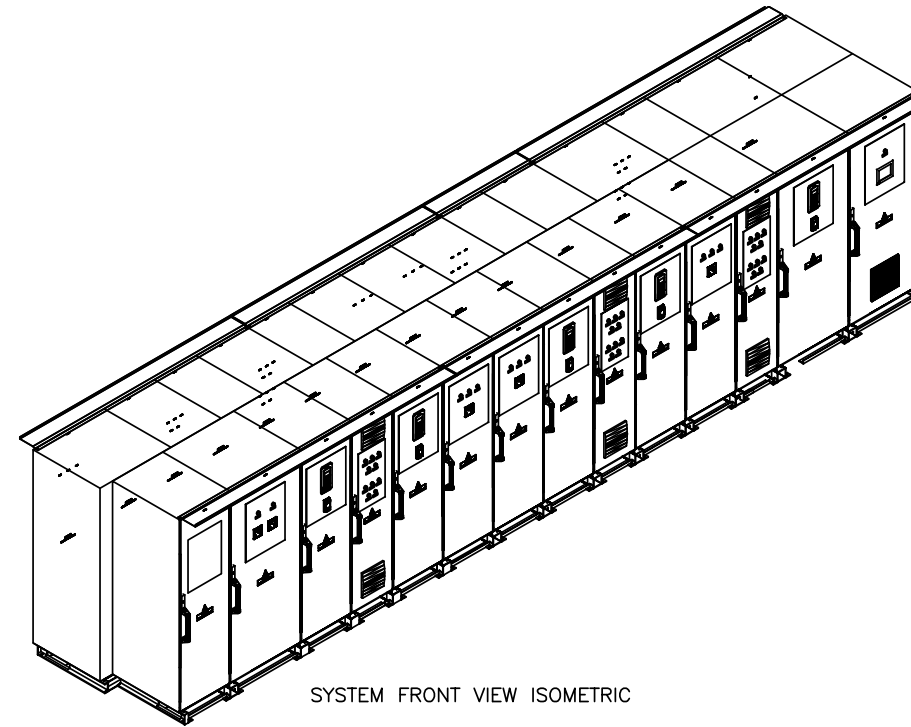
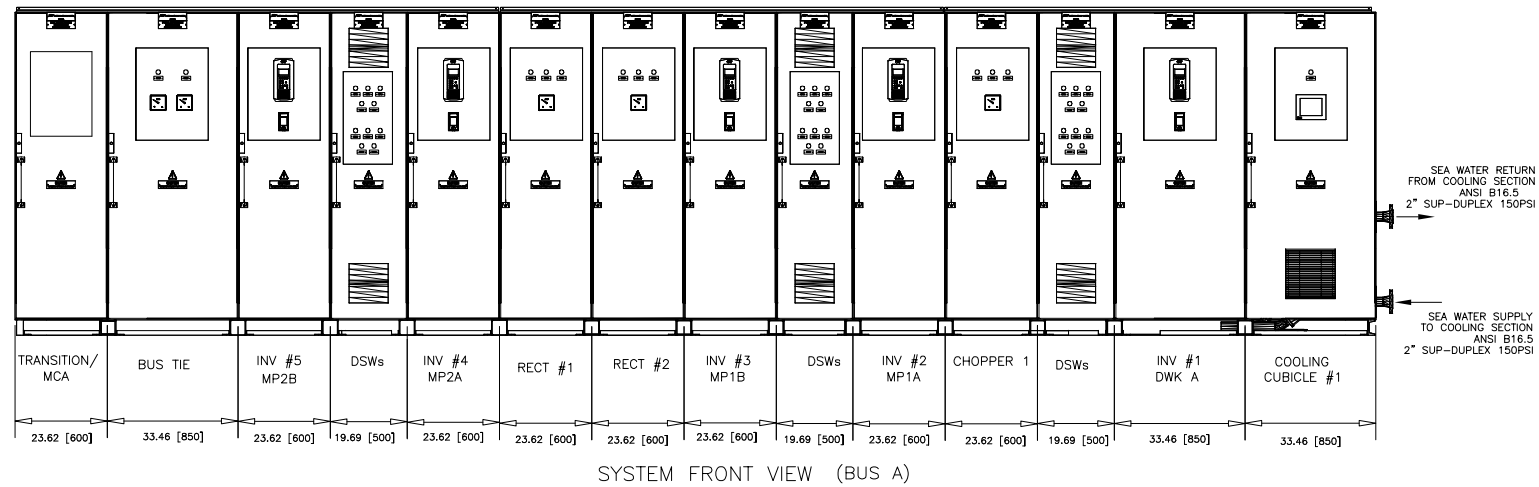


Compact Drive Systems - Liquid Cooled



Compact Drive LC

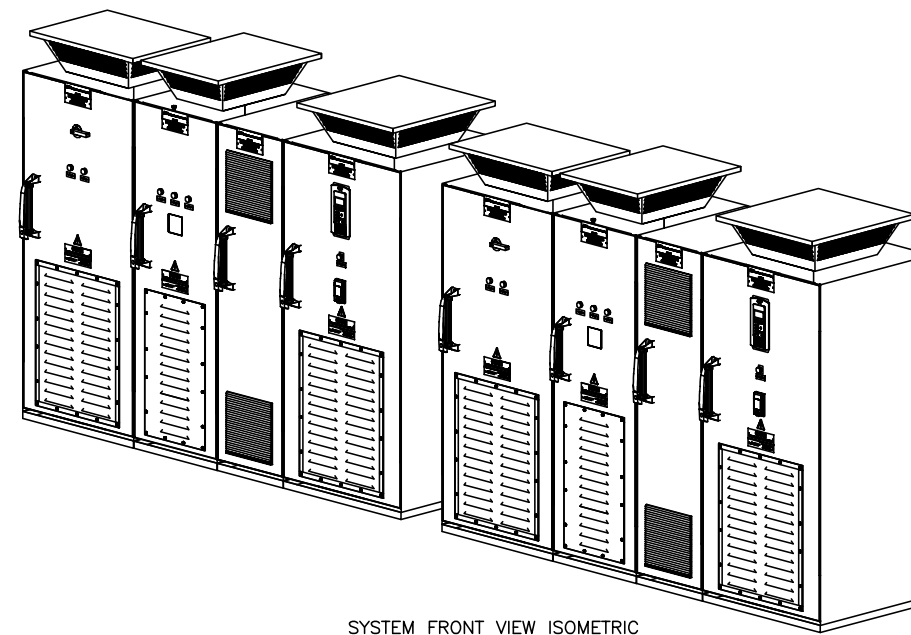
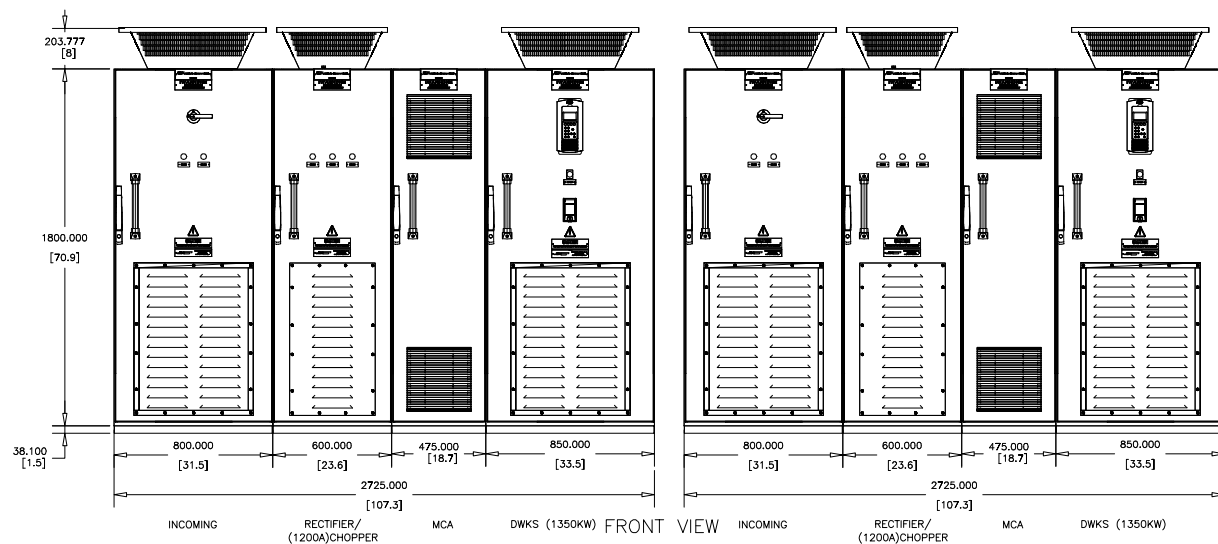
The Compact Drive LC (Liquid Cooled) systems share all the features with Drill Force LC systems but with a reduced height and footprint. The System still offers the best reliability and seamless integration with NOV control systems and machinery. NOV proprietary liquid cooling design provides the best cooling capacity and redundancy. High thermal dissipation guarantees the continuous drilling and breaking operations without thermal failures.

Features

- Onboard pre-charge circuitry
- 6/12/18/24 pulse configurable
- Reduced height and footprint to fit any tight space
- Reserve cooling tank
- Isolation between modules for easy diagnostics
- Induction / PM switchable firmware
- Modular design and configure flexibility
- Excellent serviceability and accessibility
- Proven interface with NOV control and machinery

Compact Drive Liquid Cooled Specifications						
DC Bus Rating	Rectifier Size	Output Power	Rated Temperature	Ex. Temp. Range	In. Max Press. Range	Compliance
4000 / 8000 A	3200 A	560/1120/1600 kW	40 / 45° C	35 / 75° C	20-60 psi	IEC 61439 - 1
Peak Fault Bracing	Chopper Voltage	Continuous Current	Output Frequency	Ex. Max Flow Range	In. Max Flow Range	IEC 61800 -1, -2, -3
220 kA	900/1000/1100V selectable	583/1143/1697 A	0-300 Hz	80-110 GPM	100-160 GPM	IEEE - 45
System IP Rating	Chopper Continuous Power	Overload Current	Cable Entry Options	Ex. Cooling Water Temp.	Maximum Thermal Dissipation	ABS MODU 2012
IP42 / IP 20	1200/2400 kW	872/1710/2538 A	Bottom/Top	5-38° C	225 kW / 765 Btu/hr	DNV

Compact Drive Systems - Air Cooled



Compact Drive AC

The Compact Drive AC (Air Cooled) Systems have reduced height and footprint to meet the most confined switchgear room design. With reduced size, the compact drives still keep the reliability and integration with NOV control systems and machinery. Dedicated VFD sections provide more configurable products and flexibility to arrange the VFD sections for different layouts.

Features

- Onboard pre-charge circuitry
- Dedicated VFD sections for each drilling equipment
- Reduced height and footprint to fit any tight space
- Induction / PM switchable firmware
- Modular design and configure flexibility
- Excellent serviceability and accessibility
- Proven interface with NOV control and machinery

Compact Drive Air Cooled Specifications				
DC Bus Rating	Rectifier Size	Output Power	Rated Temperature	Compliance
4000 / 8000 A	2500 A	450/900/1400 kW	40 / 45° C	IEC 61439 - 1
Peak Fault Bracing	Chopper Voltage	Continuous Current	Output Frequency	IEC 61800 -1, -2, -3
220 kA	900/1000/1100V selectable	486/953/1414 A	0-300 Hz	IEEE - 45
System IP Rating	Chopper Continuous Power	Overload Current	Cable Entry Options	ABS MODU 2012
IP42 / IP 20	1200/2400 kW	727/1425/2116 A	Bottom/Top	DNV