

# PRODUCT DESCRIPTION

## TECHNICAL FEATURES

### Offshore Medium-Voltage Full-Power Converters



Efficient

With relative low-voltage, the comprehensive efficiency of the system is 1.5% higher. The fewer cables of medium-voltage converter simplify the construction. All maintenance work can be completed without large tooling.



Friendly

It can comprehensively meet the requirements of high voltage ride through, low voltage ride through, network-side immunity, and reactive power compensation, etc.; Its compact size is easy to arrange and maintain. The 7MW base power can be expanded to 12MW to support ultra-long life cycle scheme.



Reliable

It is the second manufacturer in the world to master the full set of IGCT technology with 9 years of IGCT converter R&D experience and 4 years of accumulated 21 sets of IGCT converter field application experience, and high protection design for offshore environment.



Intelligent

It has expert automatic diagnosis system based on CSR Drive, real-time multi-object control, real-time data monitoring, fault data storage and friendly human-machine interface. It supports remote intelligent operation and maintenance functions.

#### Offshore Medium-Voltage Full-Power Converter (Parameters)

Parameters	Power Level	7MW	10MW	12MW
Grid Parameters	Rated Network Pressure	3000V		
	Grid Frequency	47Hz~53 Hz		
	Grid Current	1560A	1950A	2340A
Converter Parameters	Grid-side Current	1560A	1950A	2340A
	Machine-Side Current	1600A	2000A	2400A
	Cabinet Size W x L x D(mm)	3900mm*2000mm*2300mm	6400mm*1200mm*2000mm	as required
	Grid Voltage Harmonics (Withstand)	≤5%		
	Grid Voltage Imbalance (Withstand)	≤8%		
	Overall Efficiency	>97.6%		
	Low Voltage ride through	Meet the latest national standard E.ON 2006		
Environmental Parameters	Noise	<80dB		
	Protection Level	IP54		
	Operating Temperature	-10°C~40°C		
	Storage Temperature	-20°C~60°C		
	Altitude	≤1000m		



## WIND POWER CONVERTER PRODUCTS