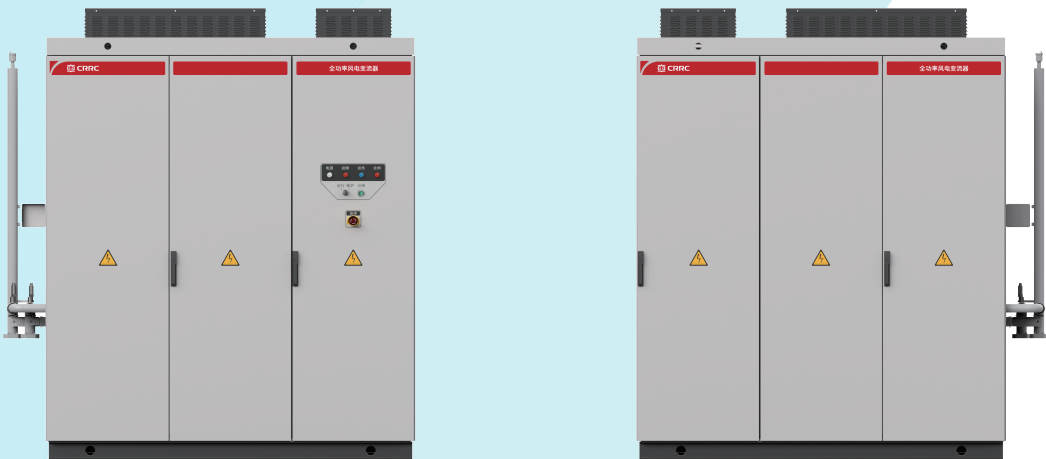


TECHNICAL FEATURES



WIND POWER CONVERTER PRODUCTS

Low-Voltage Full-Power Converters



Efficient

Its IP54 protection level and high reliability make it suitable for high land, high salt spray, and other harsh environments. It features high-speed rail quality assurance, higher power density design, module standardization design, and strong maintainability. It also has leading control technology, grid-side power factor adjustable, and zero impact connection and disconnection to the grid.



Reliable

It features integrated water circulation cooling design which effectively reduces temperature rise of device and thus ensures product life. The circuit breakers and contactors are (selected from) international first-tier brand , which can protect the main circuit in time and are highly reliable. It has system solutions for the whole electrical industry chain from power devices, module components, (and) variable current devices to system integration.



Friendly

It meets the requirements of low voltage ride through and high voltage ride through of the national grid and can adapt to a variety of complex grid environments. It features adaptive harmonic suppression technology to improve output power quality,excellent dynamic reactive power compensation capability of power grid, and adaptive abilities to abnormal working conditions such as grid voltage distortion and asymmetry.



Intelligent

It has expert automatic diagnosis system based on CSR Drive, real-time multi-object control, real-time data monitoring, failure data storage and friendly human-machine interface. Its PHM online diagnosis technology can realize the status repair and early warning of faults.

Low-Voltage Full-Power Converters(Parameters)

Parameters	Power Level	3.0MW	4.0MW	4.0MW	5.0MW	6.0MW	7.0MW
Grid Parameters	Grid Voltage	690V+10%/-10%			1140V+10%/-10%		
	Grid Frequency	45HZ-55HZ					
	Grid Current	2980A	3914A	2370A	2962A	3554A	4146A
Converter Parameters	Grid-side Current	2980A	3914A	2370A	2962A	3554A	4146A
	Grid-side Overload Current (10s/10min)	3278A	4305A	2607A	3258A	3909A	4560A
	Machine-Side Current	3000A	4000A	2500A	3000A	3600A	4200A
	Machine-Side Overload Current (10s/10min)	3300A	4400A	2750A	3300A	3960A	4620A
	Cabinet Size W x L x D(mm)	2300mm*2000mm*1200mm					
	Grid Voltage Harmonics (Withstand)	≤5%					
	Grid Voltage Imbalance (Withstand)	≤8%					
	Overall Efficiency	≥97%	≥97%	≥98.5%	≥98.5%	≥98.5%	≥98.5%
	Low Voltage ride through	Meet the latest national standards					
	Cooling Method	Water Cooling					
Environmental Parameters	Noise	≤70dB					
	Protection Level	IP54					
	Operating Temperature	Ambient Temperature: -35℃~+50℃ Inlet water temperature: 5℃-50℃ (45℃-50℃ capacity reduction)					
	Storage Temperature	-40℃~-+70℃					
	Altitude	3000m					

