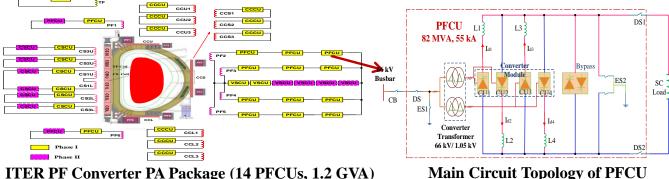
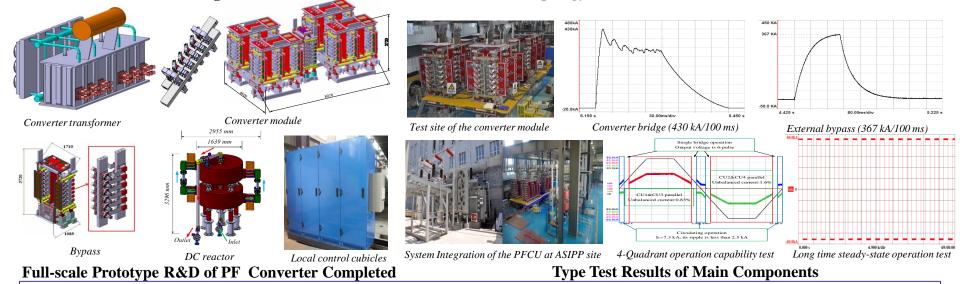
R&D Progress of ITER PF Converter



ITER PF Converter PA Package (14 PFCUs, 1.2 GVA)

Main technical challenges:

- \succ High unit power (up to 82 MVA, continuous duty, four-quadrant);
- ▶ High dynamic stability (up to 350 kA);
- \succ High safety and reliability;
- Strong coupled superconducting load characteristics.



ASIPP undertake the design, fabrication, test, integration and SAT of 14 PF Converter Units (PFCUs), and the total power is up to 1.2 GVA. We have accomplished the prototype R&D and improvement of the PFCU successfully in the past two years. So the following Final Design Review (FDR) and Manufacturing Readiness Review (MRR) of PF converter procurement package have also been finished smoothly, and the series production of the PFCUs are under fabrication now.