

# PLASPO

The perfect power conversion partner  
for your wind power generation  
at megawatt class full power

Power conversion  
**technology**

[www.plaspo.co.kr](http://www.plaspo.co.kr)

# PLASPO

PLASPO, based on the advanced technology and accumulated experiences through many years of installation of motor drives in the steel plants of one of the top global steel makers, now has its business focus on the new & renewable energy field especially wind power. With the considerable experiences of

“Keep your wind turbines trendy with the latest **full power conversion technology**”



## Full Power Converter

The full power converters for PMSG type variable speed wind turbines control to generate maximum power according to the turbine characteristics at the optimum level of wind and rotation speed. As the capacity of the wind turbine is getting bigger and wind power connection to the grid is dramatically increasing, full power converters are fast becoming a trend fulfilling grid operators requirements for the stable operation of the power grid.

### PLASPO megawatt class full power converters feature;

- Modular units; 1MW & 2MW
- Easy parallel constructions up to 5MW
- IGBT technology
- Molded-in-one bus plates strong against vibration & salinity
- Active & reactive power control
- Low THD & high power density
- Liquid cooling with simple connections
- Remote monitoring system

high voltage and high current applications, PLASPO has successfully developed and manufactured megawatt class full power converters for PMSG wind turbines for on/off-shore purposes. PLASPO is getting wide installation reference across the world gaining full market approval.



## Grid Code Compliance

Complying with the harshest grid codes of many countries, LVRT(low voltage ride through) capabilities are more focused for the PLASPO full power converters. PLASPO also developed 3MVA voltage dip test equipment for the LVRT test. PLASPO's customers enjoy time-and-money saving services with the LVRT test equipment at hand for their in-house test and on-site turbine certification for the grid code compliance.

## Quality Assurance

Through PLASPO ISO 9001:2008 quality management and ISO 14001:2004 environmental management system all procedures from pre-purchase to customer satisfaction management are controlled. Especially a complete series of tests assures the product quality before shipment and field tests also guarantee the system reliability under extreme environment. PLASPO megawatt class power converters are designed and constructed according to international standards; CE, UL, etc. depending on market requirements.

## Extended Services

Thorough understanding of customer requirements makes full satisfactory services possible. Custom solutions for the overall systems start with technical sessions provided upon request even before the actual purchase, go on with installation & commissioning support, spare parts management, maintenance scheduling & training and 24-hour hands-on technical supports.





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