

NR-ISGrid Grid-Forming Solutions

The Key Technology to Enable Stable Grid for Future 100% Renewable Generations



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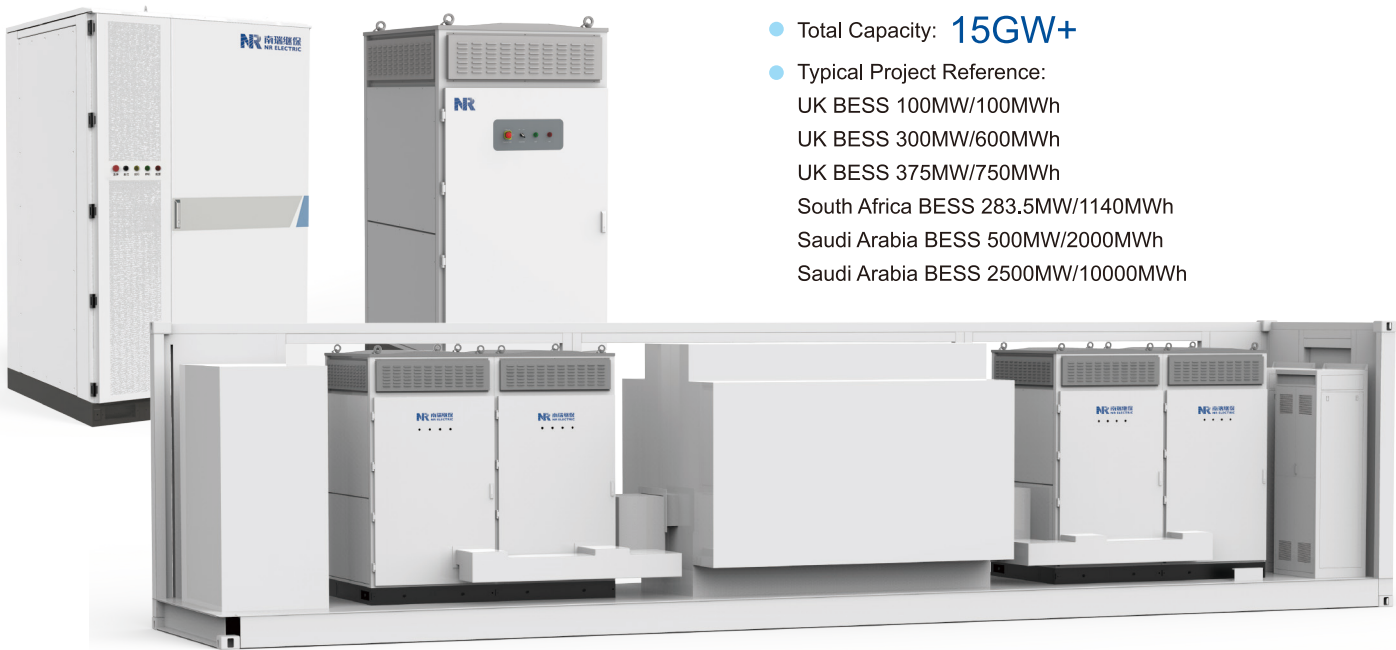
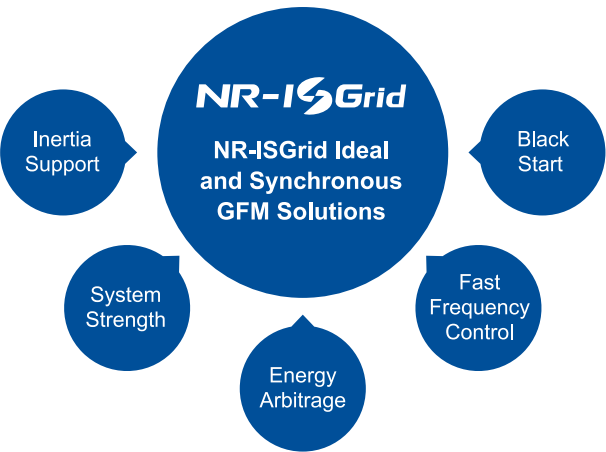
With more than 70 GFM reference projects and 2700MW GFM PCS supply, NR-ISGrid Grid-Forming solution is leading this development towards a stable and resilient renewable energy dominated power system.

Grid Forming Energy Storage

NR-ISGrid Grid-Forming Solution provides stability for power systems to ensure future energy supply from 100% renewable generations.

Energy Storage System Reference

Key to a 100% green, stable and resilient power supply



- Total project reference (GFL and GFM): **1000+**
- Total Capacity: **15GW+**
- Typical Project Reference:
 - UK BESS 100MW/100MWh
 - UK BESS 300MW/600MWh
 - UK BESS 375MW/750MWh
 - South Africa BESS 283.5MW/1140MWh
 - Saudi Arabia BESS 500MW/2000MWh
 - Saudi Arabia BESS 2500MW/10000MWh

Field Proven

More than 70 GFM projects and 2700 MW GFM PCS supply, successful onsite test to demonstrate the functionality and performance

International Standard

CIGRE B4.101 Convenor: Industrial Implementation and Application of GFM
UK NESO GFM: Active Member of “Great Britain Grid- Forming Best Practice Guide”, “GC0137 Specification GB Grid-Forming”

DNV Endorsement

GFM PCS physical test witnessed by authoritative third party DNV based on UK National Grid GC0137 and Australian AEMO Voluntary Specification for Grid-Forming Inverters



Project	Ejina GFM Project
Application	On and Off-Grid Operation / Black Start / Frequency Regulation / Voltage Control
Size	GFM BESS Storage (25MW / 25MWh)
In service Date	2023.05
Feature	30 PCS parallel operation in Grid Forming Mode, Black Start Capability, On/Off-Grid seamless transfer



Project	Laguocuo GFM Project
Application	Off-Grid Operation / Grid Forming Control / Inertia Support / Black Start / Frequency Regulation / Voltage Control
Size	193MW / 540MWh
In service Date	2024.04
Feature	The largest off-grid 100% renewable based power system based on GFM BESS