

POWER THAT MOVES PROJECTS

Integrated equipment packages and engineering coordination for resilient energy and water infrastructure.

SOLUTIONS BROCHURE | 2026

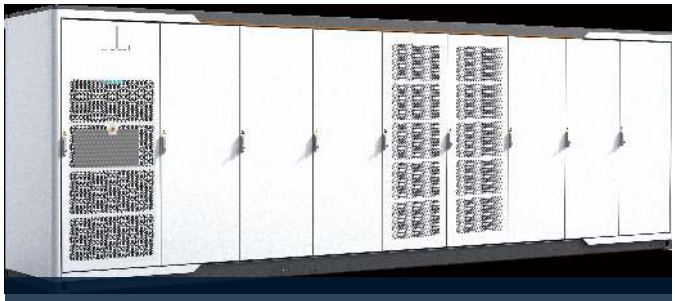
ONE PARTNER. FIVE CONNECTED CAPABILITIES.

Engineered around the project.

JHP brings sourcing discipline and engineering expertise together across generation, storage and grid infrastructure.



FLOATING SOLAR



ENERGY STORAGE

01

Floating solar PV

Platforms, anchoring interfaces and O&M; access.

02

Battery storage

Liquid-cooled architecture and coordinated safety.

03

MV switchgear

Metal-clad distribution and vacuum switching.

04

Transformers

Dry-type and oil-immersed solutions.

05

Integrated services

Specification through commissioning support.

FLOATING SOLAR PV

Turn water surfaces into productive assets.

Modular floating platforms support utility-scale deployment while maintaining practical installation and operations access.



UTILITY-SCALE DEPLOYMENT



RESERVOIR APPLICATION

DESIGN RANGE

5–15°

AVAILABLE TILT

260 km/h
wind design reference

400 mm
O&M; aisle width

2.3 kN/m²
snow-load range

01

MODULAR PLATFORM

System configurations accommodate varied module sizes and array geometries.

02

ACCESS BUILT IN

Walkways and service routes support routine inspection and maintenance.

03

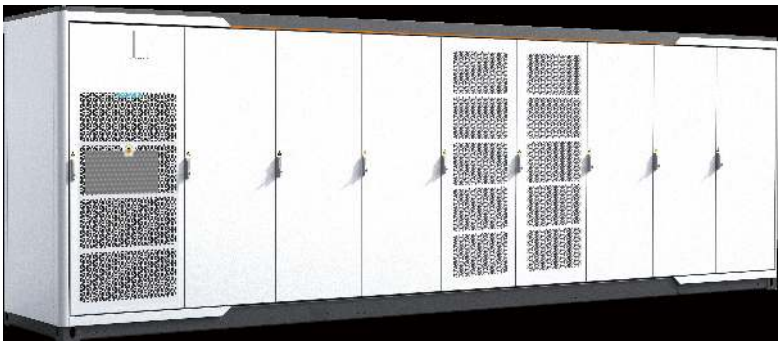
SITE-ALIGNED

Mooring and anchoring interfaces are coordinated around local conditions.

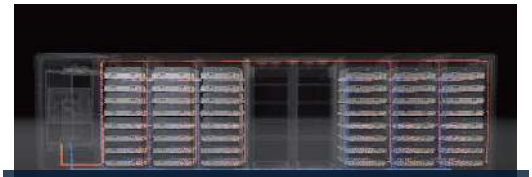
BATTERY ENERGY STORAGE

Efficiency, thermal control and safety by design.

A modular, liquid-cooled architecture developed for repeatable deployment and coordinated plant operation.



CONTAINERIZED SYSTEM



THERMAL MANAGEMENT



DIGITAL CONTROLS

01

LIQUID COOLING

Balanced heat dissipation supports tighter operating temperature control.

02

LAYERED SAFETY

Fast fault isolation, overcurrent protection and compartmentalized design.

03

DENSE LAYOUT

Back-to-back or side-by-side arrangements support efficient site planning.

04

PLANT CONTROL

Coordinated sensing and controls support repeatable operation.

MEDIUM-VOLTAGE DISTRIBUTION

Switchgear built for controlled, maintainable operation.

Indoor metal-clad assemblies combine compartmentalized construction with vacuum switching for distribution applications.



METAL-CLAD ASSEMBLY



WITHDRAWABLE BREAKER

APPLICATION RANGE

Through 40.5 kV

01

COMPARTMENTALIZED

Distinct breaker, busbar, cable and metering zones.

02

VACUUM SWITCHING

Withdrawable circuit-breaker options for dependable interruption.

03

MAINTAINABLE

Accessible arrangements support inspection and service planning.

POWER TRANSFORMERS

Dry-type and oil-immersed solutions.

Application-aligned transformer packages for utility, renewable, industrial and infrastructure projects.



LARGE POWER TRANSFORMER



FACTORY TESTING



PRODUCTION CAPABILITY

10–500 kV
oil-immersed portfolio

Up to 35 kV
dry-type portfolio

4 classes
special applications

01

DRY-TYPE

Distribution, grounding, traction and rectifier applications.

02

OIL-IMMERSED

Distribution through large power and specialist transformer applications.

INTEGRATED SERVICES

One coordinated path from specification to site.

JHP acts as the commercial and technical interface across the equipment package lifecycle.


GENERATION


STORAGE


GRID INTERFACE

01

DEFINE

Application review and technical specification alignment.

02

SOURCE

Qualified supply options matched to schedule and scope.

03

ASSURE

Documentation review, inspection and quality oversight.

04

DELIVER

Logistics coordination through project destination.

05

SUPPORT

Commissioning coordination and after-sales follow-through.

INTEGRATED APPLICATIONS

Build the package around the operating objective.

Connected equipment scopes reduce interface risk across generation, storage and distribution systems.



GRID CONNECTION



FLOATING GENERATION



DISPATCHABLE STORAGE

01

HYDRO + GRID

Transformers and switchgear aligned with plant auxiliaries and grid connection.

02

SOLAR + STORAGE

Floating PV and BESS coordinated as a dispatchable renewable package.

03

INDUSTRIAL POWER

Distribution equipment matched to process loads and site conditions.



LET’S BUILD THE RIGHT PACKAGE.

Tell us what the project must achieve. We will help align equipment, engineering interfaces and delivery priorities around the outcome.

START AN INQUIRY

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WHY JHP

- Custom equipment packages
- Engineering coordination
- Global sourcing support
- One accountable interface

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