



DISCOVER PRODUCTS

- 36 x 48-48-5120-H AES RACKMOUNT Battery Modules
- 6 x AES RACKMOUNT Slimline Enclosures (950-0053)
- LYNK II Gateway (950-0025)

OTHER PRODUCTS

- Sol-Ark 15K-2P-N Hybrid Inverter
- 3 x 400 W Solar Panels
- 2 x 400 W Wind Turbines

APPLICATION

Backup power when generator is in service

REQUIREMENT

Power for 7 days



OVERVIEW

AES RACKMOUNT 48-48-5120-H



Electricity is essential for operating an oil platform. It powers equipment for drilling and production, monitoring well performance, collecting data for analysis, environmental monitoring, and for ensuring safety measures are in place. Additionally, electricity is necessary for the living quarters and food services.

On an oil platform, a gas-powered generator typically provides the electricity. However, there are times when the generator is unavailable due to servicing or maintenance. This is when this solar/wind-powered battery energy storage system becomes crucial.

Ameresco developed a power skid, which was transported and installed on an oil platform in the Gulf of Mexico (Gulf of America). The power skid is equipped with three 400 W solar panels and two 400 W wind turbines, which generate the power that is stored in 36 AES RACKMOUNT batteries and housed within six Slimline Enclosures, providing a total energy capacity of 184 kWh. A Sol-Ark 15K-2P-N hybrid inverter makes the stored energy available whenever the oil platform requires it.