

**DISCOVER PRODUCTS**

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

OTHER PRODUCTS

- 2 x Sol-Ark 15K-2P-N Hybrid Inverter
- 2 x Schneider Electric Conext 100-600 Charge Controllers + Insight Home
- 27 kW Deger Tracker dual-axis tracking solar array (legacy equipment)
- Diesel Generator (legacy)

APPLICATION

Off-grid power with minimal reliance on fuel

**OVERVIEW****AES RACKMOUNT 48-48-5120-H**

Regenerate Solar Power Services was tasked with updating an off-grid solar system for a home located in the backwoods, two hours east of Kenora, Ontario. The legacy equipment in the system included a diesel generator and two Schneider Electric Conext MPPT 100-600 charge controllers, which managed 8.7 kW of DC charging from a Deger Tracker dual-axis tracking array.

The new equipment added by Regenerate consisted of thirty-six Discover Energy Systems' AES RACKMOUNT Battery Modules (48-48-5120-H, with a total capacity of 184.32 kWh), six AES RACKMOUNT Slimline Enclosures (950-0053), two LYNK II Gateways (950-0025), and two Sol-Ark 15K-2P-N Hybrid Inverters.

One LYNK II Gateway was designated for closed-loop communication with the Schneider Conext MPPTs through an Insight Home device, and the other LYNK II facilitated closed-loop communication with the Sol-Ark Hybrid Inverters.