

FINNING SB-8

PREFABRICATED SOLAR ARRAY MODULE WITH STORAGE

Our solar skid solution offers an ideal turn-key product. The advantages of the modular solar skid is a pre-designed, fully assembled Microgrid solution with ease of site integration, low-cost of transportation and installation and customization of features to match your customer's specific requirements.

3.5KW solar array on ballasted foundation and racking assembly. Comes with 10KWh battery, 3KW+ Inverter/charger, communicates with diesel generator, automatic startup and shutdown.



MODEL DETAILS

Max PV Voltage (V)	164 per string
Max PV Current (A)	11 per string
AC Output (W)	3,000
AC Output (V)	120
Array Size (W)	3,480
Configuration	Dual string

DIMENSIONS

Length	4,267 mm (168 in)
Width	2,255 mm (89 in)
Height	2,591 mm (102 in)
Weight	1,600 kg (3,527 lbs.)

ANNUAL SOLAR PRODUCTION (KWh)

3,500-4,500

ANNUAL GHG (TC02e)

3-5

GENERATOR FUEL SAVINGS (L)

1,400-1,800

*Figures for Western Canada average production between 49-57° N
*Consult a Finning representative for an evaluation

FINNING SOLAR ARRAY

- Eight (8) 435W Monocrystalline Halfcut Cat® solar panels
- A-frame configuration for maximum sunlight exposure
- Integrated 100A Battery charger

CAT BATTERY PACK

- Eight (8) 12V Lead Acid BCI LM Cells
- 24V 400Ah Battery Pack (10kWh)
- Fuse protection

HEATED BATTERY ENCLOSURE

- R4 Insulated waterproof box
- Embedded 24V heated floor
- Maintains +5°C (40°F) internally year-round
- Rated to ambient temperature of -45°C (-112°F)

CONTROL PANEL

- Hybrid automatic generator start switch
- Capable Integration of Cat® Generator
- Master controller for inverter and charger
- Local display with remote monitoring capabilities

INTEGRATED INVERTER PLATFORM

- Single phase or three phase options
- Internet / Ethernet / Bluetooth connectivity
- 3kW Victron Quatro Inverter

WARRANTY

- 2 Year Warranty for Lighting Assembly
- 10 Year Warranty for Panels
- 25 Year Warranty for linear power output of panels

LI-ION BATTERY PACK (OPTIONAL)

- Eight (8) 12V, 100Ah
- 24V 400Ah Battery Pack (10kWh)
- Battery life; greater than 2000 cycles @ 100% DOD