

BLUEPRINT

Hakari's Blueprint is the perfect enclosure for environmental monitoring projects, combining high-end performance and good looks. The powder coated box is a generous 30" w x 18" d x 17" h, with a sturdy aluminum equipment tray included (0.125" and 5052). Up to four 98 amp hour batteries can sit inside, along with a solar charge controller, and the communication system of your choice. It is ideal for applications that require continuous and stable power and reliable 24/7 operation.

The Blueprint can be deployed quickly for a wide range of applications, and sits on sturdy supports that are forklift friendly. The angle of the included 100-watt monocrystalline panel can be easily adjusted with clevis pins to ensure optimum capture of solar energy. It's the power and communication system that you have been waiting for.

GENERAL

Box

Formed and welded 0.125" 5052 aluminum box with red powder coat finish, continuous stainless steel piano hinge. 30" w x 18" d x 17" h

PV Frame

Formed and welded 0.25" 5052 aluminum frame construction. PVC bushings on all articulating points. Stainless steel fasteners.

Tray

Formed 5052 aluminum construction 16" x 15.25" (40.64 cm x 38.74 cm)

Transport

Forklift friendly

Tilt

Clevis pin adjustable panel tilt 11.5 to 87.5 degrees

Weight

42 pounds (with two batteries 165 pounds)

Size

Footprint 35" x 23"

Mounting

Anchor bolts

POWER

Panel

100 watt monocrystalline panel certified for high snow loads (5400 Pa) and wind loads (4000 Pa)

Current

5.91 amps

Controller

Morningstar SS-MPPT-15L

Batteries

Deka 99 amp hour batteries (1 included, optional 2/3/4 battery configuration)

Voltage

Open circuit voltage = 22

Tray voltage

12 VDC or 24 VDC

Power

100 watts



COMMUNICATIONS

Tray

Suspended tray for communication gear with included DIN mount system.

Telemetry

Optional Hakari MultCom box hardware integrated into tray. Choices include cellular gateway, radio, Wi-Fi, private LTE.

Support for

Geotechnical sensors, environmental, robotics, IP camera, SCADA web relay, metrology instruments, and more.

Antenna

Optional top-of-panel mount.

