



The Aerial PowerHub structure is a stand-alone power system for applications requiring small footprint solar or off-grid power. Ideal to house and power remote wireless transmission equipment.

The PowerHub can be fully integrated, and comes preconfigured for:

- **Structure mount for wood, steel or carbon fiber poles.**
- **Top of pole attach points for user equipment**
- **Solar modules** **Thin Film, 60 & 72 cell silicon**
- **Battery storage + BMS** **5-20kWhr, 24/48VDC**
- **Battery charger** **Solar or AC options**
- **Solar Array** **1.0kW to 3kW array**

Prices start at \$11,900 + tax

SOLAR POWER WITHOUT UTILITY POWER

Now users can use solar to power remote electrical equipment. Systems with batteries provide additional around-the-clock power and backup.

ENERGY STORAGE VERSATILITY

The PowerHub is compatible with multiple battery technologies including AGM or Lithium Iron Phosphate. Battery charging is supported by solar power or utility power when available (optional).

EASY INSTALLATION

The PowerHub is delivered pre-wired and ready to bolt upright. Installation can be completed in one day when foundation is pre-set. This assures customers do not need to worry about on-site construction teams or equipment transport.

VERTICAL SOLAR MODULE STACK

Solar arrays can be installed with minimal footprint, resulting in more power, in less space. Locations previously not suitable for solar sites can now be solarized.

STREET LIGHTS BECOME SOLAR ARRAYS

Existing streetlights poles can be replaced with solar-equipped poles. Optional light fixtures can solar or utility powered.

SOLAR MODULES ABOVE SURFACE SHADE

Solar arrays can now be installed in sites with excessive shade. Elevated solar modules can be placed closer to building structures.

SCALABILITY

Multiple solar modules can be connected to a string inverter, or each can be equipped with a microinverter.

ABOUT SUNNYCAL SOLAR & MYSITE ENERGY SOLUTIONS

We have been providing turn-key solar power systems for more than a decade. From our production facility in Central California, we ship direct to customer sites, and have a network of trained installation contractors.

Find out more





Aerial PowerHub™

Small Footprint Solar Structure

Parameter Table

| Component | Parameter Description | Values | Comment | |
|------------------|------------------------|-----------------------------|--------------------------------|---|
| Aerial Structure | Construction | Welded Steel | | |
| | Surface treatment | Powder coated | Black, color options available | |
| | Dimensions | Height | 144" | Center platform at midlevel |
| | | Diameter | 42" | Inner structure only (solar modules define final diameter) |
| | Pole hole diameter | 14" maximum | Pole insertion depth 12" | |
| | Weight | 900 lbs. | | |
| | Cross section | 24 sq. ft | Without solar modules | |
| | | Max solar array height | 240" | |
| | | Max solar module dimensions | 77" x 40" | |
| | Max solar array weight | 450 lbs | | |

Optional Accessory Items

| Component | Parameter Description | Values | Comment |
|---------------|---|---------------------------------------|---|
| Shroud 14 | Steel Cover for 14" pole base | 2 piece slope covers, 24" tall | Black Powdercoat |
| Pole Base 14 | Steel Foundation for 14" pole | Circular pattern, Six 1" holes | 14" Dia. pole, 20ft max pole length |
| Solar Module | 270W, 60 cell silicon module | 39" x 65" | 20 module max |
| | 300W, 72 cell silicon module | 39" x 65" | 20 module max |
| | 150W Thin film module | 26" x 65" | Shade tolerant, 14 module max |
| Battery | Voltage Rating | 24V or 48V | |
| | Storage Capacity | 5kWhr-20kWhr | Units with no battery storage include 1.4kWhr default battery |
| | Type | 200Ahr 155Ahr | LiFePo AGM Lead-Acid |
| Solar Charger | MPPT Tracking, supports AGM, Flooded lead-acid or Lithium batteries | 2880W, 60A, 24-48V 150V PV Voc max | Includes multi-string interconnect wire box |
| Warranty | Structural components | 5 Years | Excludes finish treatment |
| | Solar Modules | 20-25 years | Varies by module type |
| | Solar Charger | 5 Years | |

Manufacturer reserves the right to make changes to reflect updates or corrections.
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Component Pricing Table

| Model # | Description | Comment | Price (+ tax) |
|-----------|--------------------------|---------------------------------------|---------------|
| AP-1000 | Aerial Support Structure | | \$11,900 |
| AP-1000PS | Pole Support Base | 14" Diameter pole, 20ft max length | \$2,900 |
| AP-1000SH | Pole Attachment Shroud | Circular two-piece folded steel cover | \$1,900 |

Pre-configured Options Pricing Table

| Config # | Solar Power/Modules Watts | Qty | Solar Charger | Qty | Battery | 24hr Watts | Battery Reserve Days | Price (+ tax) |
|----------|---------------------------|-----|---------------|-----|-------------|------------|----------------------|---------------|
| AP-2110 | 2.1kW/150W | 14 | 2.9kW | 1 | 10 kWhr | 220w | 1.6 | \$15,600 |
| AP-2210 | 2.2kW/270W | 8 | 2.9kW | 1 | 10 kWhr (1) | 225w | 1.5 | \$14,800 |
| AP-2713 | 2.7kW/270W | 10 | 2.9kW | 1 | 13 kWhr | 280w | 1.5 | \$18,100 |
| AP-3015 | 3kW/300W | 10 | 2.9kW | 1 | 15 kWhr (1) | 310w | 1.6 | \$20,900 |
| AP-3020 | 3kW/300W | 10 | 2.9kW | 1 | 20 kWhr | 310w | 2.2 | \$26,100 |

Performance assumptions: 50% solar output assumed for 5hrs/day, battery use to 80% DOD

Example Price Calculation: \$11,900 + \$2900 + \$1900 + \$15,600 = \$32,300
 Structure + Base + Shroud + AP-2110

Terms of Sale: 50% Deposit with order, 4-8 weeks lead time, EXW Jackson CA

(1) Recommended battery size for this array size

Installation not included.

Purchaser is responsible to confirm requirements of local zoning and building code.
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