

RoseWater HUB Competitive Analysis

The RoseWater HUB is the best built and most complete energy management device available for luxury homes and commercial applications.

- **The Hub consistently delivers high-quality power at 120 volts and 60 Hz**, featuring the lowest total harmonic distortion among energy management products. **With built-in redundancy to ensure no single point of failure**, it ensures optimal performance, enhancing reliability and longevity.
- **Commercial and military-grade non-sacrificial lightning protection.** RoseWater utilizes the same type of lightning protection used to safeguard essential systems and devices.
- **Highest efficiency** – very little loss of power through the device. The higher the build quality, the higher the efficiency.
- **Large-scale Standby Power starting at 28.8 kWh** – your equipment will run longer on batteries if there is a power failure. Our run times are calculated in terms of hours, not the minutes of the competition.
- **RoseWater offers a choice between a 20 kW and 40 kW system.** RoseWater has found that smaller storage amounts require load shedding to provide any run time.
- **Industry-leading 3-year warranty** – hassle-free ownership and peace of mind with expert-level and industry-leading support.
- **Included pre-sale engineering and contractor interface** – a seamless experience from the initial design and planning phase to the final delivery, installation, and beyond.
- **Full control and monitoring** – a level of reliability far beyond any competitive product. RoseWater engineers and the local integrator are always in touch with the Hub, allowing them to monitor the device continuously via our online portal.
- **Sustainable product** – the ability to integrate solar and use the internal automation to reduce the carbon footprint. The Hub also incorporates fully recyclable nano-carbon battery technology.



- **Exceptional design**
- **Advanced engineering**
- **Superior manufacturing**

| | RoseWater Energy HUB | APC Symmetra | Eaton | SurgeX | Mitsubishi |
|---|------------------------------------|-------------------------|---------------------------|-----------------------------|-------------------------|
| OUTPUT CAPACITY (kVA) | 20kVA or 40 kVA | 2 kVA - 16kVA Peak | 4 kVA - 20kVA | 5 kVA - 10kVA | 6kVA - 12kVA |
| BATTERY CAPACITY (kWH) | 28.8 kWH *Expandable | .9 kWH | 2 kWH | .9 kWH | .9kWH |
| VOLTAGE | 208 - 240 | 208 - 240 | 208 - 240 | 240 Different Model for 208 | 208 - 240 |
| WARRANTY | 3 Years Bumper to Bumper | 2 Year Product Warranty | 2 Year Parts 90 Day Labor | 2 Year Product Warranty | 3 Year Product Warranty |
| TOTAL HARMONIC DISTORTION OF OUTPUT (unbalanced loads) | <3% | <5% | <5% | <5% | <7% |
| COVERABLE PANEL SIZE (Amps) | Up to 200 Amp | 60 Amp | up to 100 Amp | Up to 50 Amp | up to 50 Amp |
| NUMBER OF UNITS TO GET TO 20kVA OF OUTPUT | 1 | 3 | 1 | 2 | 3 |
| AVERAGE RUN TIME | 60 Minutes At Full Draw - Standard | 8-10 Minutes Standard | 8-10 Minutes Standard | 8-10 Minutes Standard | 8-10 Minutes Standard |
| Included "White Glove" Experienced Factory Trained Commissioning | YES | NO | NO | NO | NO |
| Included "White Glove" Delivery to Site Location | YES | NO | NO | NO | NO |
| Pre-Sale Job Analysis and Engineering Assistance | YES | NO | NO | NO | NO |
| Sales Support | YES | NO | NO | NO | NO |
| Interface with Local Electrical Contractor | YES | NO | NO | NO | NO |
| Always Live Double Conversion Device | YES | YES | YES | YES | YES |
| Uses Residential 240v Single Phase Power | YES | YES | YES | YES | YES |
| Military/Telecom Grade Multi- Strike Surge and Lightning Protection | YES | NO | NO | NO | NO |
| Panel Level Device | YES | YES | YES | YES | YES |
| Accepts Dynamic Loads | YES | NO | NO | NO | NO |
| Full Automated Monitoring with Email Reporting | YES | NO | NO | ACCESSORY REQUIRED | ACCESSORY REQUIRED |
| Solar Panel Interface | YES | NO | NO | NO | NO |
| Recyclable Batteries | YES | YES | NO | YES | NO |

THE 10 POWER GREMLINS

(based on IEEE definitions of power quality problems)

| TECHNOLOGY | EXAMPLES | BLACKOUT | FRQUENCY VARIATION | TRANSIENTS | HARMONICS | OVERVOLTAGE | UNDER VOLTAGE / BROWNOUT | SAG | EMI | RFI | SURGE |
|--|-----------------------------|----------|--------------------|------------|-----------|---------------|--------------------------|---------------|-----|-----|-------|
| Surge Arrestors | WattBox | | | | | | | | | | |
| Noise Filters | Panamax | | | | | | | | | | |
| Choke / Inductor | Richard Gray | | | | | | | | | | |
| Voltage Regulation Transformers | Torus Power | | | | | LIMITED - NBT | LIMITED - NBT | LIMITED - NBT | | | |
| Computer Grade Power Conditioner w/ Batteryackup | APC | LIMITED | | | | LIMITED | LIMITED | LIMITED | | | |
| Waveform Correction | Middle Atlantic | | | | | LIMITED | LIMITED | LIMITED | | | |
| Pure Power UPS | RoseWater Energy All Models | | | | | | | | | | |