

MEPNN Supplier Scouting Opportunity Synopsis

Section 1: General Information

Scouting Number	2026-554
Item to be Scouted	Hybrid Inverter
Days to be scouted	21
Response Due By	10/28/2026
Description	30K -208V Commercial and Industrial (C&I) Hybrid Inverter

Section 2: Technical Information

Type of supplier being sought	California Manufacturer
Reason	2nd Supplier
Describe the manufacturing processes (elaborate to provide as much detail as possible)	The manufacturing process begins with PCBA fabrication, where high-power semiconductors (like IGBTs or SiC MOSFETs) and control logic are surface-mounted onto industrial-grade circuit boards. These boards are integrated into a thermal management system, featuring heavy-duty aluminum heatsinks and fans to dissipate the significant heat generated by 30kW of power conversion. The assembly is then housed in a NEMA-rated steel enclosure, with the installation of high-voltage AC/DC terminals, busbars, and protection circuitry (breakers and surge protectors). Finally, the unit undergoes rigorous testing, including high-pot (dielectric) testing, load simulation to verify 208V output stability, and firmware flashing for energy management logic before final quality certification.
Provide dimensions / size / tolerances / performance specifications for the item	30K -208V C&I Hybrid Inverter Please refer to pages 15 & 16 of the attached document (FINAL MILLS RANCH Solar Proposal template 8.12.2026 - Aurum Response (1) (3).pdf)"
List required materials needed to make the product, including materials of product components	30K -208V C&I Hybrid Inverter XR 100 Rail, All Tile Hook Universal RSD S PLC - Rapid shutdown system, Transmitter PLC (Switch) EV chargers Solar inverters The materials required include electrical components such as silicon carbide (SiC) MOSFETs or IGBTs, capacitors, inductors, transformers, and multi-layer FR-4 PCBs with gold or copper plating. Thermal management materials consist of extruded aluminum heatsinks, thermal interface pastes, and industrial cooling fans. The structural housing requires powder-coated galvanized steel or aluminum for the NEMA-rated enclosure and polycarbonate or acrylic for display interfaces. Finally, interconnects and safety hardware include oxygen-free copper busbars, insulated wiring, silver-plated terminals, and circuit breakers.
Are there applicable certification requirements?	No
Are there applicable regulations?	No
Are there any other standards, requirements, etc.?	No
Additional Technical Comments	

Section 4: Business Information

Estimated potential business volume	Work will entail working of five (5) buildings. Each building has (8) total units for a total of (40) units. One-time purchase. This is project specific but we can add product data to our larger list used on California construction projects.
Estimated target price / unit cost information (if unavailable explain)	\$848,727.80
When is it needed by?	2 weeks
Describe packaging requirements	Best available. Delivered undamaged. Specifics discussed in negotiation.
Where will this item be shipped?	Soledad, Ca. 93960

Additional Comments

Is there other information you would like to include?	Agency providing funds: Housing and Urban Development Name/POC for BABA related questions Margaret White Email address of contact margaret@calicompliance.com
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