



TRADEWINDS®

POWER CORP

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Filters
 Pump Sets
 Power Units
 Generator Sets
 Automatic Engine Controls

TO: City of Cooper City
 9090 S.W. 50th Place
 Cooper City FL, 33328
 Attn: Ms. Victoria Dominguez

Quotation # AV26365Q
 December 5, 2024

100kw Mobile Generator

We are pleased to offer this Quotation as detailed below

Amount	Description	Each	Extended
1	Model TM150 Base Awarded Tradewinds Mobile Generator Set under FSA contract No. FSA23-EQU21.0, Spec #162.	162,283	162,283
1	<p>T100-M-FS Credit-Downgrade to a 100 kW mobile generator package, current emission compliant 1800 rpm diesel engine; Aluminum sound insulated weather enclosure, powder coated; 120/240 1 ph., 120/240-120/208-277/480 3 ph., 3 position, single output changeover switch; single camlocks connection box; main breaker; Dual axle street legal trailer 200 gal. double wall base tank; electric brakes. Unit non-proprietary.</p> <p>100kW/125.5kVA Standby, 90kW/112.5kVA Prime Power</p> <p>120/208 Volts, 60 Hz, Three Phase, 0.8 P.F. Amp Load Capacity: 347; Load Bank tested. 277/480 Volts, 60 Hz, Three Phase, 0.8 P.F. Amp Load Capacity: 151; Load Bank tested. 120/240 Volts, 60 Hz, Three Phase, 0.8 P.F. Amp Load Capacity: 301; Load Bank tested. 120/240 Volts, 60 Hz, Single Phase, 1.0 P.F. Amp Load Capacity: 417; Load Bank tested.</p> <ul style="list-style-type: none"> Perkins Diesel engine, Model 1204F-E44TTAG2 Tier-4 Final @ 1800 RPM, four cylinder, water cooled, turbocharged and Intercooled, radiator sized for 120°F ambient clearance; 12 VDC system, battery charging alternator and starter motor. 12 lead, 4 Pole, brushless exciter, Single Bearing AC alternator, insulation Class 'H' UL1446. Permanent Magnet (PMG) Excitation providing 300% short circuit support for ten seconds to support non-linear loads and start motors with minimal voltage dip. DR2400 voltage regulator. 0.25 % voltage regulation, (EMI) and RFI filtering. CAN Bus communication 	-43,357	-43,357
1	<p>TUPALT-FS - Net Cost Adder - Upsized alternator.</p> <ul style="list-style-type: none"> Basler Digital Control panel 2020 series, microprocessor-based controller, manual or remote start capability. Emergency stop push button. NEMA box customer interface panel for use with remote annunciator panel and shunt trip. 0-60 min. timer for internal service lights. Readings for low coolant and oil, fuel level indication and leak detection; Volts, Amps, Hz, Watts, VA, PF. Oil pressure, coolant temperature, RPM, DC volts, hourmeter. Generator set emergency protection shutdowns. Programmable for pre-alarms and alarms. Automatic transfer switch control (mains failure). USB port; ECU communication via SAE J1939. BESTCOMSPlus, MODBUS communication via RS485 port, UL6200. Weather protective marine grade Aluminum enclosure sound insulated; white powder extra coat, electrostatically applied; 175 mph wind load certified in compliance to ASCE 7-08 Florida Building Code. Control panel door access with locks. Designed with removable doors to ease the generator maintenance; All doors are hinged and keyed alike. Weather protective seals around all doors. Rear removable plate for the maintenance of the AC alternator. External drain ports for coolant and oil with brass ball shut-off valves and SS bulkhead plugs. All stainless-steel hardware. Estimated noise reduction: 72 dBA @ 21 ft. Exhaust compartment enhanced with noise reduction and heat dissipation insulation. Installed SS Exhaust Flex with ceramic wrap, 25dBA exhaust muffler and cast aluminum rain cap. LED interior enclosure maintenance lights with 60 min shut off timer and LED perimeter service area lights, 12vdc, with 60 min shut-off timer. 	1,594	1,594
1	<p>T-SOLAR-FS Net Cost Adder - Solar panel 140W 12V.</p> <ul style="list-style-type: none"> 600A 3P 600V 250Vdc UL 489 circuit breaker, 80 percent rated. Installed shunt trip for remote controlled tripping. Cu/AL lugs rated up to 600V AWG wire range 14-1/0. The wire is EPDM insulated, 600V 150 degrees Celsius. A neutral to bonding conductor mounted on a standoff insulator. 	1,611	1,611

Amount	Description	Each	Extended
	<ul style="list-style-type: none"> • Three position voltage change over switch mounted in the generator can, wired to the mainline circuit breaker. Breaker leads are connected to the rear of the generator to separate five (5) female camlock connectors, clearly identifying L1, L2, L3, N, G. • Distribution panel to include Two (2) 20A GFI and Two (2) 20A NGFI duplex receptacles, Three (3) 50amp 240VAC receptacle, all with breaker protection. 120V 20A DC input for battery charger. Two Thumb screws are provided for remote start stop contacts of Transfer Switch and Two Thumb screws are provided for remote alarm indication. The rear side docking station has a lockable lifting gate with snap acting disconnect protection, and LED service light. • 12Vdc 31PMH series starting batteries installed on metal support, secured with j bolts and hold downs. • Battery Charger 6 Amp, 12 VDC, 90-265A AC 50/60Hz 115 VAC, compact type, UL Listed. • Two (2) 120V receptacles, one GFI and one NGFI with clear cover, for battery charger and coolant block heater. • Coolant block heater, 1500W 120V 1Ph. 100F degrees ON - 120F degrees OFF. IP41 protection rating to IEC 529. Shut-off valves for easy maintenance. • Low coolant level signal alarm switch, antifreeze, and radiator overflow bottle. Freezing protection to -34 degrees Fahrenheit (-37 degrees Celsius) and boiling protection to 256 degrees Fahrenheit (129 degrees Celsius). • D.O.T. approved 10,000 lb. double axle steel trailer with electric brakes, round lunette hitch, chains, lights, heavy duty fenders, one (1) front jack, collapsible two bar to reduce overall foot print and will have a corrosive resistive finish to cover the steel frame. 200 gallon in base fuel tank with a mechanical fuel level gauge and standard fuel signal that will be read in control panel. Unit will alarm with low fuel and shut down up critically low fuel. Tank will have lockable fuel cap, drain, and necessary fittings. 		
1	<p>T-TBX1-FS Net Cost Adder - Tool box 11 cu.ft.(5 extensions of 30ft L) in diamond plated aluminum, reinforced beveled edge. B and C trailers.</p> <p>Factory tested at max. Amp rated load, transient load, block load, load rejection; voltage, frequency fluctuation; under/over frequency; safety shutdowns for high coolant temperature and low oil pressure.</p> <p>One operation and maintenance manual Two (2) years or 1500 hours standard warranty parts and labor</p>	2,532	2,532
	<p style="text-align: right;">Sub Total, Ex-works our warehouse, Miami, Florida Onsite Start-up, and performance test with operation Training performed during same day. Delivery to Cooper City Fl. Curbside. Fuel by others. Total</p> <p style="text-align: center;">State & Local Tax as Applicable Estimated Shipping date from receipt of order: 18 to 22 weeks</p>		<p style="text-align: right;">124,663 Included Included \$124,663</p>
<p>Price Validity: 45 days; 15% Cancellation Charge for Restocking. Wire-Transfer: Tradewinds Power Corp Division of Southeast Diesel Corp F/B/O Wells Fargo Bank Acct# 4945741023 ABA# 121000248</p>			
			Abraham Vargas