The X3-20 Portable Power System delivers sustainable power to remote and emergency locations. The integrated turbine, solar cells and fuel-powered industrial generator offer an unprecedented combination of resources to operations conducted off the power grid or in disaster areas. The X3-20 delivers continuous 20kW power to operate households, pumps, hospital equipment, electronics or radio transmission towers. The power from the solar cells and the wind turbine is accumulated into a large bank of batteries capable of delivering hours of load without recharge. The generator is automatically engaged if solar and wind resources are limited.

Rapid Setup and Deployment

The X3-20 solar cells fold up during shipping and the turbine mast is hydraulically lowered and raised in a matter of minutes. The X3-20 can deliver power immediately upon arrival.

When continuous power is needed, the X3-20 can be deployed quickly via truck, rail or ship. Using a standard ISO shipping container as the main platform, the X3-20 is uniquely portable, robust and reliable.

When the X3-20 arrives on site, users have only a few steps to complete before power is available.

• Set the outriggers
• Engage the hydraulics to raise the turbine mast
• Unfold the solar cells, connect expansion panels
• Close the main power disconnect
• Connect to local grid or plug directly into the X3-20

Sustainable Power

The X3-20 Portable Power System boasts three sustainable power options:

• Self-erecting wind turbine
• Solar cells with expansion capability
• Industrial fuel-powered generator
Wind Turbine

The X3-20 Portable Power System has a wind turbine capable of power generation up to 12kW. The turbine can deliver direct power or charge batteries when load is limited. Features include:

- Expanded operational range
- Self-deployed hydraulic folding tower
- Concurrent operation with solar cells

Generator

X3 ENERGY uses an industrial grade generator on the X3-20 system. Capable of 100% duty cycle, this integrated 20kW fuel-powered generator will engage automatically if renewable generation is insufficient.

- Available in Diesel, Natural Gas, LP or Gasoline
- Generator “smart” controls manage all three power sources automatically.

Solar Panels

The X3-20 solar cells operate in parallel with the wind turbine. Additional solar panels can be connected for full 20kW generation. Features include:

- Integrated 5kW solar cells
- Maintenance charge power
- Expandable to 20kW
- Frames fold during transport

Large Storage Capacity

- 20kW output through inverters
- 48V deep cell batteries

Available Power Output

- DC 12-24V for autos/airplanes
- DC power passes through inverter for clean AC power
- AC 120/208/240/480 Volt
- Single phase or three phase
- 50 Hz or 60 Hz

X3 ENERGY supplies fast, portable power for:

- Military Field Operations
- Disaster Relief & Recovery
- Remote Construction Job Sites
- Medical Aid Stations
- Field Telecommunications
- Municipal Maintenance Operations
- Highway & Bridge Construction
- Athletic Venues & Events
- Commercial Applications

... and More!

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