



# PowerVerter PV-100

## Reliable Power and Peace of Mind

**PowerVerter:** The highest performing cogeneration system in its class

PowerVerter PV-100 provides daily energy savings—reducing utility costs by up to 50%—while remaining available as a standby power source in the event of a power grid failure. Designed to interface with utility spot networks and area network grids found in major metropolitan cities, PV-100 offers continuous operation, so there is never any question whether electricity will be available in the event of a power outage.



24/7, 365 Resiliency



Green



Energy Savings

### Features

- EPA-certified, natural gas-fueled engine, conforming with the Clean Air Act
- Utility approved CHP technology
- Rapid black start standby capability
- Highly efficient cogeneration systems applicable for all building types
- Innovative and intuitive HMI displays and interfaces
- 24/7 remote operational monitoring
- Operates with existing mechanical and electrical systems
- Integrates in conjunction with other renewable energy sources and microgrid applications
- Standby power with grid-independent operation
- Modbus networking capability BACnet Profibus
- Field-evaluated to UL 2200 and 1741 compliance standards
- Utility grade electrical protection relay as standard equipment



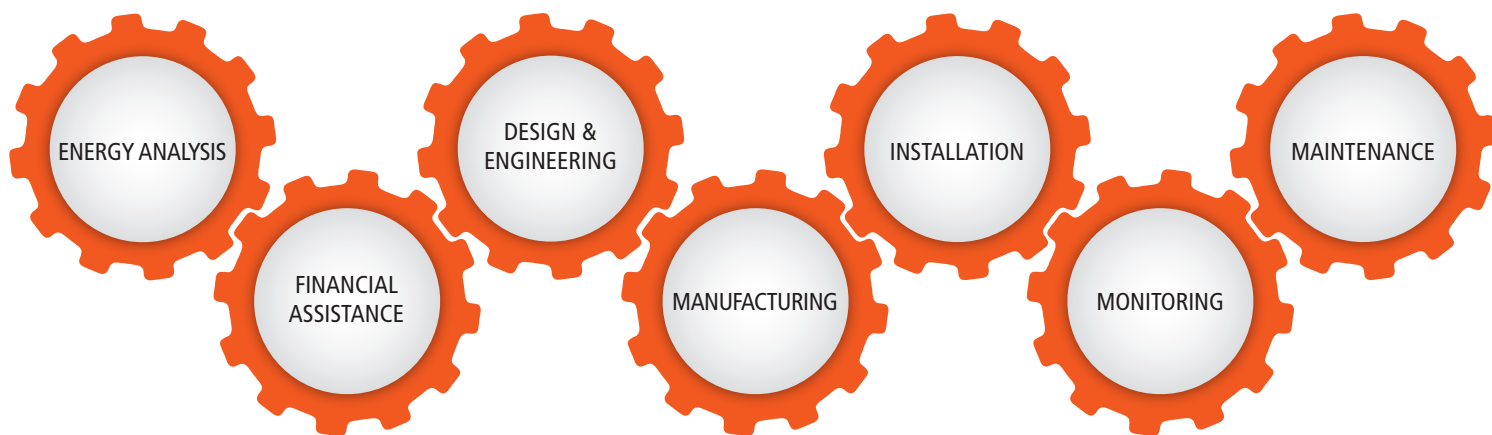
Contact Aegis today at 877.903.5170  
to start your savings analysis!

# PV-100 Specifications

Electrical Output	100kW
Thermal Output	642,200 BTU/Hour
Gas Input	1,250 standard cubic feet per hour (SCFH)
Required Gas Pressure	4"–14" WC
Overall Efficiency	80.4% at HHV of 1,020 BTU/SCF
Max Output Water Temperature	230° F
Max Return Water Temperature	180° F
Weight	4,500 pounds
Dimensions of Module	107"l x 54"w x 48"h
Acoustic Level	70 dBA @ 20'
Output Voltage	480V nominal, 3-phase, 4-wire
Emissions	Aegis PowerVerter PV-100 model meets EPA and state applicable air quality standards and requirements
Engine	EPA-certified, V8 natural gas engine
Standby Capacity	100kW/125kVA

## The Aegis Advantage

Unlike many other CHP providers in the industry, Aegis provides a single source of accountability. Immersed in your project beginning with consultation and concept, you can count on Aegis to maintain the same level of responsiveness and commitment through to construction, completion and beyond. No outsourcing of engineering, manufacturing or maintenance or expertise of any kind.



*Aegis Energy is now a subsidiary of EDF Group, a global leader in low-carbon energy.*



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