

## KTS RF Generators

Our workhorse standard form factor generator is built with an **air cooled** design using a single PC board, 48VDC bus architecture and a substantial copper heat sink for dependable long life service in continuous operation. The power supplies are modular 300W packages through 1200W

These generator can be ordered as a minimalist package having no front panel readout or controls, or they can be fitted with front panel display, manual power control and status indicators. We quick build to your requirement.

### Feature:

### Benefit:

---

Robust Air-cooled design	Eliminates need for chilled water
Single board architecture	Simple manufacturing & low cost
Large finned Al heatsink	More efficient cooling
Heavy copper heat spreader	Cooler operation, high reliability
Derated DC switching supply	Low component stress, high reliability
48 volt bus architecture	Reduced internal hazards, better EMC compliance
External control interface	OEM applications
Universal power inputs	Simple installation, foreign market applications
Modular	Allows for easy feature addition
Standard form factor	Drop-in replacement for many generator designs

### Optional features:

---

Front panel display	Operational parameters easily available
Front panel power control	Allows manual setpoint
Front panel status indicators	Simple troubleshooting
Common Exciter modes	Allows use of multiple generators in an installation

### Models presently available:

---

LF50	50 watt air cooled 100 kHz generator
LF300	300 watt air cooled 100 kHz generator
RF150	150 watt air cooled 13.56 MHz generator
RF300	300 watt air cooled 13.56 MHz generator
RF600	600 watt air cooled 13.56 MHz generator
RF1200	1200 watt air cooled 13.56 MHz generator

KTS developed this line of air-cooled RF™ generators with microprocessor control using less costly plastic-packaged RF™ devices in a novel bias scheme to create a robust and low-cost power supply. The microprocessor controller permits integration with digital interface systems via RS-232/485 and ethernet. The advanced controller monitors operation constantly performing numerous self-checks and provides complete status information to the control port as well as the 4-line LCD front panel. This control system provides a simple menu-driven interface at the front panel for quick and easy setup and control of manual configurations. An analog control interface is also provided for backward compatibility for applications requiring it; as in replacing a generator from a different manufacturer.

14222 South 131<sup>st</sup> Street  
Gilbert, AZ 85233

(480) 917-9487  
Sales@kengineering.net