

UH-60 **60 KVA** **GENERATOR**

Increased Power Density Generation System
for the UH-60 Platform



Honeywell

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Our electric power generators and voltage regulators have supported aerospace for over 60 years.

As an example, the 60kVA generator gives UH-60 Black Hawk crews a one-third power boost in a compact unit that is a drop-in replacement for the helicopter's current 45kVA generator

The 60kVA generator:

Fits the same diameter and is only a small increase in generator length (~1/3 inch) than the 45 kVA.

Improves power density (7.2 lb. increase with 25% more power)

- 45kVA Generator Weight = 28.3 lbs.
- 60kVA Generator Weight = 35.5 lbs.

Exemplifies mature design that provides a low-risk product upgrade

Demonstrates performance and reliability like the 45kVA system, but having the advantage of oil-cooling.

Demonstrated Battlefield Performance

Honeywell's electric power generators and voltage regulators have supported aerospace for over 60 years.

60 kVA Generator Program

- 33% Increase in power from 45 kVA to 60 kVA
- Drop-in replacement for existing generator
- Same diameter and a small increase in generator length (~1/3 inch)
- Mature design that provides a low-risk product upgrade
- Same proven performance and

reliability as existing 45 kVA system

- Improved power density
 - 45 kVA Generator Weight = 28.3 lbs (1.59 kVA/lb)
 - 60 kVA Generator Weight = 35.5 lbs (1.69 kVA/lb)
- Same aircraft installation (no new hardware required)
- Fits and operates in the same environment
- Same generator and GCU heat losses
- Same generator oil flow
- No impact to gearbox (same gearbox characteristics)
- No new wiring harness required for a new GCU



CURRENT APPLICATIONS:

- UH-60
- AH-64
- V-22
- CH148 Cyclone
- S-92
- AW139
- AW149
- AW189
- CH-53



Generator Control Unit (GCU):

- No modification to the GCU
- Re-use as is
- Same form, fit and function

Honeywell Electric Power Advantages:

Supplied (via the Bendix and Allied-Signal brands) over 250,000 power generation systems in both AC and DC applications for over 60 years.

Honeywell's Power Generation

BenefitsField proven power generation expertise combined with our superior power management and power distribution capabilities will facilitate the optimization of your fleet

Honeywell's Systems Integration

Laboratory will assist in optimizing your mechanical and electrical systems solutions (e.g. engine, environmental controls, sensors, navigation system, etc.).



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MAKE IT**

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