

MECHRON



Packaged Cycle Charge Systems For Sierra Technologies

Mechron Power Systems

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One example of Mechron's packaged power systems is the containerized Cycle Charge system provided to Sierra Technologies, for radar tracking at a Canadian Air Force Base. Because of their distinctive appearance, these systems became known as the "Bumblebees".

The Bumblebees are self-contained, plug-and-play packaged power solutions. Each Bumblebee contains a 7 kW, 48 VDC Cycle Charge generator set, which automatically maintains the on-board battery system by monitoring battery condition and auto-starting for recharging. The DC generator sets are equipped with full controls and remote monitoring capability.

Each Bumblebee system comes with fuel fired heaters and full environmental control to allow for operation in a wide variety of climatic conditions. To meet the requirement for maintenance intervals (including refuelling) of one year, units are equipped with extended oil sumps and high capacity fuel systems.

