

Power Distribution Unit (PDU)

A Modularized, Self-Contained, Easy-Maintenance PDU Solution for Tactical Military Shelter Systems

Most tactical military shelter systems have standard electronic racks in which communications and computer equipment are installed. However, the power distribution system is built into a cabinet which is a permanent attachment to the shelter, very much like the service entrance panel, or breaker box, in your house. When any major part of this system fails, the entire shelter must be evacuated from the field for direct or general support maintenance.

EWA Government Systems, Inc. developed a modularized, self-contained Power Distribution Unit (PDU) that can be replaced in about thirty minutes on site by unit level maintenance. The PDU houses a three phase main breaker which breaks neutral as well as the three hot leads. The main breaker also has a remote trip feature which allows the operator to safely drop the main breaker from outside of the shelter at two different locations, most useful during a fire or other emergency situation. In addition, the PDU houses surge suppressors and blackout lighting circuitry.



Power Distribution Unit, Interior View



Power Distribution Unit Control Panel



Power Distribution Unit Connector Panel