

Portable Power for Tomorrow's Soldier

D. Palo, J. Holladay, B. Roberts, R. Dagle, P. Boyd, M. Donnelly
Battelle, Pacific Northwest Division
Richland, WA

Battelle is developing compact, efficient fuel processors based on its patented microchannel reactor architecture and proprietary processing catalysts. These reactors enable the development of portable power systems that are compact, lightweight, efficient alternatives to conventional power systems. In one application, a fuel cell/battery hybrid system is envisioned for providing 10-20 watts of electric power for the individual soldier. In another application, a 250-W field-portable battery charger is designed to enable the use of secondary batteries in the field.