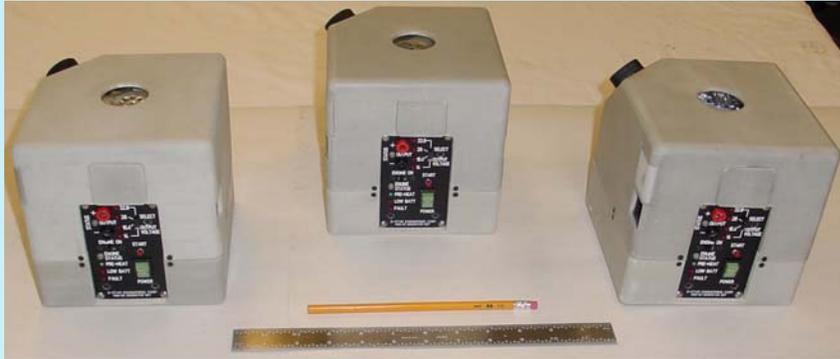


## 50 Watt Heavy Fuel Personal Battery Charger



Objective	50 Watt Hybrid Power System for One Soldier
Basis	D-STAR 0.1 hp Micro-Diesel Engine
Fuel Usable	JP-8 + 2-stroke oil, No Volatile Additives
Output	12 V / 14 V / 28 V / 32 V Switch-able DC
Power Goal	50 Watts Peak / 45 Watts Max. Continuous
Power Demonstrated	63 Watts on Test Bench, but with Low Reliability.
Comments	<b>Suffers from 'Square-Cube' laws of physics. D-STAR believes 250 Watts is the Minimum Feasible Size for a Heavy Fuel Generator Set.</b>