



POWER MANAGEMENT SYSTEMS



Contains public sector information licensed under the Open Government Licence v3.0

VORTEX 12V TWIST LOCK BATTERY

Part Number 404144-2001
NSN: 6140-99-837-3683

The 12V Battery is a compact, lightweight rechargeable Li-Ion battery designed for hand held equipment applications. Incorporating a military standard twist lock mechanism for host interface, the 12V battery fixes securely to man portable host equipment for use in tactical environments.

The battery may be configured with SMBus battery communications offering a limited set of battery parameters to the host if required. The battery can be further configured with a 3 LED (red, amber, green) state of charge gauge with an integral press to test to provide a visual indication of current charge status.

With an energy return of up to 175Wh/kg and a cycle life of greater than 300 cycles, the 12V battery is a highly energy efficient solution to low voltage portable power requirements.



TECHNICAL DATA:

Electrical	
Output Voltage	9V DC - 12.6V DC; (11V nominal)
Capacity	9.75Ah
Energy	106Wh
Specific Energy	170Wh/kg
Output Current	4.5A
Interface	
Communications	Optional partial SMBus 1.1
User Interface	Optional PTT and 3 LED display
Environmental	
Operating Temperature (Discharge)	-20°C to +65°C
Operating Temperature (Charge)	-5°C to +55°C
Storage Temperature	-20°C to +70°C
Sealing	IP67
Mechanical	
Dimensions	110mm(h) X 75mm(w) X 39mm(d)
Weight	610g