



POWER MANAGEMENT SYSTEMS



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

## VORTEX FIVE CHANNEL CHARGER

Part Number 404186-2001  
NSN: 6130-99-153-0325

The Vortex Charger is a barracks or workshop based charger used for the simultaneous charging of up to five Vortex 12V DC twist lock batteries. The Vortex Charger is powered from a standard universal AC mains input supply. Battery recharge is carried out through five independent integral charging adaptors, which are configured to securely mount the Vortex twist lock batteries.

Designed for ease of use, battery charging is automatically initiated on connection of a battery to any output channel. The charger hardware safely manages the charge process with no user input required. The Vortex Charger carries out active thermal management of the internal force cooled heatsink, with user feedback on battery state of charge provided for each channel by an LED indicator display. As well as battery state of charge, the LED displays provide indication of any battery or charger fault conditions.



### TECHNICAL DATA:

<b>AC Input</b>	
Power Requirements	90V - 264V AC, 50/60Hz, 4.5A max, 400W max
Power Connection	IEC C13
Fuse	10A, 6mm x 30mm
<b>Charging Output</b> (per channel)	
Battery Charging	13.05V DC max, 3.75A max, 50W max
Battery Charge Time	3.5hrs to 100% SOC
<b>Environmental</b>	
Operating Temperature	-5°C to +55°C
Storage Temperature	-40°C to +70°C
Operating Environment	Flat surface, free air
Sealing	IPX4
<b>Mechanical</b>	
Dimensions	250mm(h) X 359mm(w) X 291mm(d)
Weight	10kg