



POWER MANAGEMENT SYSTEMS



FOUR CHANNEL CARAVEL MK2 CHARGER

Part Number 404256-2001
NSN: 6130-99-687-6039

The Four Channel Caravel Mk2 charger is a multi-channel variant of Lincad's multi-chemistry Caravel Mk2 charger. Designed to minimise mechanical footprint whilst maximising available charging points, the charger is rugged and versatile enough for front line military operations. With the ability to charge and manage a whole range of in-service batteries, the Four Channel Caravel Mk2 can accept in-service software upgrades to improve operational flexibility and provide future proofing.

Battery recharge takes place via battery interface adaptors (BIAs), with up to four BIAs being used to charge different battery types at the same time. USB connectivity also allows charging of smartphones, tablets and other mobile devices.

LED and LCD displays provide detailed charger and battery status during operation. Each channel is fully independent with largely automatic functionality for simplicity of operation. In addition to battery recharge and management, the software can diagnose faults and, where applicable, reset batteries in an error state. A transport mode for the charge or discharge of lithium-ion batteries to less than 30%, and a storage mode for the charge or discharge of lithium-ion batteries to 50% are incorporated.

Active thermal management of the side-mounted heatsinks maintains a safe operating temperature. In hot conditions, intelligent control manages charge and discharge rates to maintain operator and equipment safety.



TECHNICAL DATA:

AC Input	
Power Requirements	90 - 264V AC, 50/60Hz, 16A Max, 1400W Max
Power Connection	IEC-C20 Inlet
Fuses (x2)	16A, 6.3 X 32mm Time Delay (T)
Charging Output (per channel)	
Battery Charging	58V, 20A Max, 300W Max
USB Charging Output	5V, 1.5A Max
Reprogramming	
USB Programming Input	USB 1.1 compatible
Environmental	
Operating Temperature	-5°C to +55°C
Storage Temperature	-40°C to +70°C
Operating Environment	Sheltered environment, flat surface, free air
Sealing	IP X2
Mechanical	
Dimensions	545mm(w) X 369mm(h) X 350mm(d)
Weight	26.5 Kg