

Rugged 4-channel
battery charger
for military
applications

RUGGED SMART CHARGER (RSC)

THE DENCHI POWER RUGGED
SMART CHARGER
KEEPS YOUR ARMY
ON THE MOVE

The Denchi Power Rugged Smart Charger (RSC) is a world beating 4-channel charger, designed for the most rugged military environment. Being a Level 3 Smart Charger (2-way communication), with high powered electronics, it can be used to charge any battery on the battlefield.

The RSC is a capable 4-channel charger that can take power from a broad range of AC or DC power sources on the battlefield. This functionality provides an unparalleled and dependable power extraction capability which can serve soldiers at times when they need it the most.

The RSC is a true 'plug-and-play' product needing no tuning nor adjusting. It is delivered with a comprehensive set of output cable options which will allow it to re-charge any battery. It is truly a universal charger and the last 4-channel charger any force will need to procure.

This charger is one of the latest in a long line of successful Denchi Power products that have delivered powerful energy solutions to soldiers operating in active theatres. Denchi Power continues to develop the latest battery and charger technologies, to meet the evolving needs of military forces.



DENCHI
POWER

RUGGED SMART CHARGER (RSC)

Part Number: 210725
NSN: Applied for

SPECIFICATIONS

Technical Data:

Input Voltage Range	10.5 – 36V DC 85 – 265V AC; 47 – 63 Hz
Charging Voltage	10V to 33.6V per channel
Functional Specification	Level 3, SBS Smart Battery Charger Spec Rev 1.1
Operating Temperature	0 °C to +45 °C
Efficiency	93% (nominal)
Length	470 mm
Width	357 mm
Height	176 mm
Weight	8.6 Kg
IP Rating	67 with case closed; 51 when case open
Application	Portable Service Systems

Features & Benefits:

- Level 3 Smart charger
- Robust & lightweight
- Accepts DC input from all in-field power sources, incl field generators; other batteries
- Accepts AC input directly
- Charges an 8Ah battery in less than 2 hours
- Automatic detection and charging of all in-field secondary SMART batteries (up to 8 Li-Ion cells in series or up to 33.6V DC)
- Optimises charging with available (current limited) input
- Allows simultaneous charge & power supply
- High efficiency DC – DC architecture
- Charging of non-SMART batteries – up to 33.6V (via optional SMART cables)

Safety Features:

- Input over-voltage protection
- Reverse polarity protection
- BIT on power up
- To EN 60335-2-29

Dimensions:



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