

DCHG2410 & DCHG2810

BATTERY CHARGERS FOR 24V SYSTEMS

BATTERY CHARGERS

Input

Input Voltage	95 to 264 VAC
Input Frequency	47-63 Hz
Power Factor	>0.98 at 115 VAC >0.95 at 230 VAC
Efficiency	93%
Input Connector	IEC 14 for Worldwide Use



Output Profile

4 Stage - current and voltage controlled 10Amp charger customised for Red Box Portable Power Packs with "Battery Equalisation" stage for enhanced battery life.

DCHG2410	24V System – Float 27.6 Boost 29.2
DCHG2810	28V System- Float 32.2 Boost 34.0

Multi Coloured LED for Charge Status and error conditions

Captive Heavy Duty lead for connection to Power Pack fitted with polarized connection.

Protection

Short Circuit	Shut Down and then re-power to reset
Reverse Polarity	By Internal Fuse
AC Mains Failure	Isolation Relay for disconnection to Power Pack
Over Temperature	Shut Down and auto-reset on cooling

Mechanical & Safety

IP	21
Size	290 x 180 x50mm
Weight	2.1Kg
Working Temperature	-30 to 70 °C
Working Humidity	20 to 95% RH non - condensing
EMC Radiated	EN55011 Confirmation at Red Box Pending
EMC Conducted	EN55011 Confirmation at Red Box Pending

Suitability

Model	Power Pack	Connectors
DCHG2410	RB50A RB75A	Red
DCHG2810	RB60A RB85A	Grey

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