

# M-POWER EQUALISERS

Battery Equalisers allow you to 'tap' 12V power from a 24v battery bank by maintaining each battery in the 24v battery bank at precisely the same state of charge, allowing you to draw significant amounts of 12v power.

Merlin M-Power Equalisers are currently in use across fire, bus and coach fleets, military vehicles and marine platforms. Equalisers should be sized to be around 10-20% greater than the normal continuous 12V current required.

Merlin M-Power Equalisers offer a variety of benefits, including:

- Extending 24V battery life by maintaining battery balance
- More efficient and reliable than most (or multiple) DC/DC converters
- Allows you to use high surge loads without a very large DC/DC converter (short-term power requirement that is greater than the Equaliser will simply be re-balanced once current consumption drops below the Equaliser's maximum output).

- **Highly reliable** method of obtaining 12v power from a 24v system.
- **Extends 24v battery life** by maintaining battery balance.
- **Greater efficiency and reliability** than DC/DC converters.
- **Variety of sizes** available from 10-100A.
- **Easy installation** saving you time when it matters.



PART #	04-8510	04-8512	04-8514	04-8516	04-8518
OUTPUT RATING (12V)	10A	20A	60A	80A	100A
MAX INPUT CURRENT (24V)	6A	12A	32A	43A	53A
OPERATING INPUT VOLTAGE RANGE	20 - 35V DC	20 - 35V DC	20 - 32V DC	18 - 32V DC	18 - 32V DC
OUTPUT VOLTAGE	(INPUT VOLTAGE / 2) +/-2%				
STANDBY CURRENT	17mA	17mA	17mA	17mA	17mA
EFFICIENCY	>91%	>91%	>96%	>91%	>91%
DIMENSIONS (MM)	108 X 216 X 82	239 X 216 X 82	249 X 216 X 82	249 X 216 X 82	249 X 216 X 82
WEIGHT (KG)	1.04	2.26	2.72	2.85	2.85
STANDARDS	CE, UL, ROHS	CE, UL, ROHS	CE, UL, ROHS	CE, UL, ROHS	CE, UL, ROHS