

# CLP 600

**Active DC-DC converter with 5-stage charging characteristic and emergency start function, for charging the auxiliary battery from the on-board power supply.**

// Charges 12 V batteries in 24 V vehicles and vice versa
// Automatically detects voltage levels
// CAN bus for connection to lithium system
// Optimised for Euro 6 vehicles

The CLP 600 charge booster from Clayton Power is an active DC-DC converter with a 5-stage charging characteristic and emergency start function that charges the auxiliary battery in vehicles from the on-board power supply while driving.
The CLP 600 charges both 12 V batteries in 24 V on-board power supply systems and 24 V batteries in 12 V on-board power supply systems and automatically recognises lead-acid as well as lithium batteries and their voltage levels. In addition, the CLP 600 has an integrated emergency start function (current from the additional battery flows into the starter battery for max. 5 minutes).

## Technical Information

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| **Input current, max.** | 45 A |
| **Input voltage (DC)** | 12 V/24 V |
| **Input voltage range** | 11.5 … 32 V |
| **Operating temperature** | -25 °C ... +80 °C |
| **Output current** | 40 A |
| **Output voltage** | 14.4 V/28.8 V |
| **Self-consumption** | < 1.6 W |
| **Status display** | LED |
| **Wake-up-voltage** | 4 V ... 36 V |
| **Dimensions (L x W x H)** | 222 x 111 x 40 mm |
| **Weight** | 0.83 kg |

*In the chosen option