



# Intelligent Split Charge

British made, high quality, intelligent split charge activated by rising voltage.

Charge Divider models provide Automatic Jump Start Function, should the main battery become discharged.

Charge and Protect combines Intelligent Split Charge with Load Shedding function to prevent battery damage by over-discharging the Aux. battery

All units are suitable for vehicles equipped with ECU controlled/Regenerative/Smart Alternators



**Split Charge Relay** is a simple to fit, advanced digital unit that will control up to 30A constant. Voltage sensing requires only 3 wires to install with no Alternator feed required. Adjustable pull in and drop out voltage makes the unit suitable for many Emergency, Military, Leisure and Marine applications.

Model	Voltage	Aux. Banks	Current	Adj. Settings*	Warranty	Weight Kg	WxDxH
LUD-2008-12	12V	1	30A	Yes	5 Years	0.15	110x55x35
LUD-2008-24	24V	1	30A	Yes	5 Years	0.15	110x55x35

**Charge Divider** range features a Heavy Duty relay. By constantly monitoring both battery banks, it will perform an automatic Jump Start function should the main battery be discharged, this removes the need for a battery parallel switch on the dash. In addition the Charge Divider units have adjustable\* Over-Voltage protection to help protect sensitive electronics connected to the auxiliary battery from high voltages that can be seen on modern Alternators. Adjustable pull in and drop out voltages to suit bespoke applications can be done in-situ with the optional Interface. Simple to expand if additional banks of batteries are added in the future.

Model	Voltage	Aux. Banks	Current	Adj. Settings*	Warranty	Weight Kg	WxDxH
LUD-2000-12-200	12V	1	200A	Yes	5 Years	0.88	180x60x120
LUD-2000-24-200	24V	1	200A	Yes	5 Years	0.88	180x60x120

**Charge and Protect** is an Intelligent Split Charge unit, combined with an Automatic Auxiliary Battery Protect. It has all the features of the Charge Divider such as Rising Voltage activation, Automatic Jump Start and adjustable voltage settings. In addition it features a 200A Load Shedder to protect the Auxiliary battery from being over discharged all in one compact power coated case. Quick and easy to install.

Model	Voltage	Aux. Banks	Current	Adj. Settings*	Warranty	Weight Kg	WxDxH
LUD-2042-12-200	12V	1	2x 200A	Yes	5 Years	1.10	120x80x105
LUD-2042-24-200	24V	1	2x 200A	Yes	5 Years	1.10	120x80x105



# Intelligent Split Charge

**Charge Divider S** have been designed to prevent a split charge system artificially activating when on shore line charging, this is especially important in vehicles that are utilising batteries of differing construction and/or float voltage. Any benefit in battery charger voltage optimisation would be negated without this. Users of the LudoCharger battery charger range and Charge Divider already have this feature enabled when the 2 units are connected via the CAN lead between Battery Charger and Split Charge unit. This is achieved by engine start signal, rather than by rising voltage.

Model	Voltage	Aux. Banks	Current	Adj. Settings*	Warranty	Weight Kg	WxDxH
LUD-2007-12-200	12V	1	200A	Yes	5 Years	0.88	180x60x120
LUD-2007-24-200	24V	1	200A	Yes	5 Years	0.88	180x60x120

**Charge Divider 2L** is fitted in a compact and robust powder coated case, making install much quicker and ideal for limited space applications. By constantly monitoring both battery banks, it will perform an automatic Jump Start function should the main battery be discharged, this removes the need for a battery parallel switch on the dash. In addition the Charge Divider units have adjustable\* Over-Voltage protection to help protect sensitive electronics connected to the auxiliary battery from high voltages that can be seen on modern Alternators. Adjustable pull in and drop out voltages to suit bespoke applications can be done in-situ with the optional Interface. Simple to expand if additional banks of batteries are added in the future.

Model	Voltage	Aux. Banks	Current	Adj. Settings*	Warranty	Weight Kg	WxDxH
LUD-2022-12-200	12V	1	200A	Yes	5 Years	0.70	90x65x105
LUD-2022-24-200	24V	1	200A	Yes	5 Years	0.70	90x65x105

**Charge Divider 3L** is specifically designed for vehicles with 2 auxiliary battery banks. The great advantage of this product, is you are able to time delay or have differing pull in voltages for the 1st and 2nd auxiliary bank. This prevents the vehicle Alternator being suddenly subjected to 3 discharged battery banks by delaying in bank 2 and bank 3. Over-voltage protection ensure sensitive electronics are not damaged by high voltages from modern Alternators. Automatic Jump Start function can be utilised across all battery banks, or one can be unselected, for example a small Comms. battery.

Model	Voltage	Aux. Banks	Current	Adj. Settings*	Warranty	Weight Kg	WxDxH
LUD-2023-12-200	12V	2	2x 200A	Yes	5 Years	1.10	120x80x105
LUD-2023-24-200	24V	2	2x 200A	Yes	5 Years	1.10	120x80x105

**Charge Divider 2SL and 3SL** have been designed to prevent a split charge system artificially activating when on shore line charging, this is especially important in vehicles that are utilising batteries of differing construction and/or float voltage. Any benefit in battery charger voltage optimisation would be negated without this. Users of the LudoCharger battery charger range and Charge Divider already have this feature enabled when the 2 units are connected via the CAN lead between Battery Charger and Split Charge unit. This is achieved by engine start signal, rather than by rising voltage.

Model	Voltage	Aux. Banks	Current	Adj. Settings*	Warranty	Weight Kg	WxDxH
LUD-2024-12-200	12V	1	200A	Yes	5 Years	0.70	90x65x105
LUD-2024-24-200	24V	1	200A	Yes	5 Years	0.70	90x65x105
LUD-2025-12-200	12V	2	2x 200A	Yes	5 Years	1.10	120x80x105
LUD-2025-24-200	24V	2	2x 200A	Yes	5 Years	1.10	120x80x105

\* requires optional interface