

# ASC+ Dual

UNIVERSAL SPLIT CHARGE/ISOLATOR/START PROTECT/LOAD PROTECT



The ASC+ Dual combines the features and benefits of both assured start and auxiliary battery protect. Good battery management is cost effective as it protects the investment made in quality batteries, ensures that the vehicle always starts, reduces out-of-hours call-outs and provides safe isolation of batteries and loads.

The ASC+ Dual is an easy to fit pre-programmed controller independently operating two high-power latching contactors. It is normally operated via dashboard controls with built-in diagnostic LEDs. (Optionally the switches and LEDs can be omitted -please contact us to discuss further.) A wide variety of configurations can be created by linking two or more ASC+ modules together to provide a full battery management system.

Alternatively, the ASC+ integrated is available for bulkhead mounting.

**Power functions offered:**

- Auto split charge
- Engine start protect
- Auxiliary load isolation
- Assured start
- Battery isolation
- Deep discharge protection
- Timed disconnect
- Tail-lift protection

## KEY FEATURES

- 12V and 24V versions
- 2 contactors, 1 dual controller
- 125A or 250A current rating
- No current draw when latching contactors are in either "on" or "off" state
- Full operator control with LEDs showing system functionality.
- Four standard configurations
- Complete system-easy to fit
- 3A fused feed for clock/ICE/central locking
- Fully automatic version available without display or switches
- Customisable configuration

## Overview

The system consists of a control unit, two latching contactors, cable looms and switch panel with LEDs to show functionality.

It is easy to fit and requires only the addition of power cables and fuses (if required) to complete the installation. The unit is produced in a number of configurations to suit the most common applications (see overleaf). Each configuration comes pre-programmed to standard values.

## Customisable Configuration

We can configure different contactor open/close voltages and/or different time delay values to meet your individual requirements for a nominal charge.

At Antares we pride ourselves on our approach - partnership supply, fully engineered, integrated reliable and long lasting, systems, with life-of-vehicle technical support.

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## UNIVERSAL SPLIT CHARGE/ISOLATOR/START PROTECT-

This table shows the standard configurations available to meet most commonly used applications. To choose the one that meets your needs follow these steps:

- 1) Select one of the four main configurations shown on the right,
- 2) Decide on size of contactors required (either 125A or 250A).
- 3) Determine vehicle voltage (12V or 24V)

The dashboard switching offers manual intervention to bring in contactors such as assured start; contact us for a "special" if this feature is not required.

Add another ASC+ and create a more complex system.

We are happy to discuss the best approach for your application.

SPECIFICATIONS				
	Voltage	Contactor Rating		Features and Contactor voltages
		125A	250A	
AUTO SPLIT CHARGE + AUXILIARY BATTERY PROTECT (Includes ASSURED START)	12V	90940	90941	Assured Start connects aux battery back-in manually to allow emergency start.
	24V	90942	90943	ASC contacts open at 12.7V/25.4V close at 13.1V/26.2V ABP aux battery deep discharge protection open at 10.5V/21.0V
AUTO SPLIT CHARGE + ENGINE START PROTECT	12V	90944	90945	ESP contacts open at 12.2V/24.4V
	24V	90946	90947	ASC contacts open at 12.7V/25.4V close at 13.1V/26.2V
TWIN AUTO SPLIT CHARGE	12V	90948	90949	Can be connected in parallel if required.
	24V	90950	90951	ASC contacts open at 12.7V/25.4V close at 13.1V/26.2V
LV PROTECT + AUX DEEP DISCHARGE PROTECT	12V	90952	90953	Sheds non-essential loads 1st, then all aux loads as voltage drops.
	24V	90954	90955	Essentials loads (deep discharge protection) contacts open at 10.5/21.0V Non essential loads contacts open at 12.2V/24.4V
Hardware only	12V 24V	90930 90932	90931 90933	Requires bespoke software to meet customer functionality
Connections	Power: 125A/250A = M8/M10 studs,			
Controller	120mm x 70mm x 30mm (flange mounted)			
Contactor	125A/250A = 97x50x38mm/152x55x70mm (excl mount)			
Weights	Shipping weight: 2.5 kg; with two contactors			

