

ASC+ Compact - Split Charge

NEXT GENERATION HIGH POWER PROGRAMMABLE MODULE



The use of the voltage sensed contactor for split charging an auxiliary battery bank is now an established technique, pioneered in the UK by Antares nearly 20 years ago. By incorporating the very latest in micro-processing, the modern split charge can do so much more.

The ASC+ compact range puts all of the "plus" features *inside* the split-charge unit making it smaller, neater and easier to fit. This "single box" unit takes split charging to the next level of performance, diagnostic information, and system protection.

The all - new intelligent ASC+ compact split charge permits the full power of the largest modern alternators to be channelled into the auxiliary batteries. The latching switch ensures no current draw when either on or off reducing unnecessary power consumption (just a few hundred milliamps will flatten a battery in a week) as well as ensuring it stays cool wherever it is located.

The ASC+ compact can also be managed externally and integrated into larger systems.

Please contact our sales team to discuss the best solution for your vehicle.

KEY FEATURES

- Automatic detection of alternator or connected battery charger
- Automatic detection of auxiliary battery to avoid short circuit
- Automatic or manual assured start with status LED
- 12V or 24V versions
- 190A current rating (@85°C)
- High 1000A peak current
- M8 studs to handle power
- Anti-chatter handles bigger battery banks better
- Status/diagnostic LED on unit
- Supports latest "smart-charge" alternator systems and protects auxiliary loads from overvoltage
- No current draw when in either "on" or "off" state
- External control via dashboard switch panel
- Warning lamp/buzzer output
- Ignition sense interlock



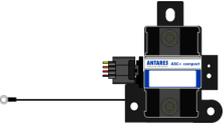
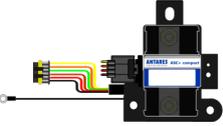
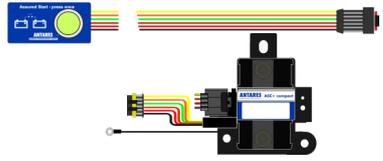
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ANTARES
engineering with answers

ASC + Compact - Split Charge

VERSATILE HIGH PERFORMANCE PROGRAMMABLE SWITCH

ASC Compact—Split Charge																					
Part Number <small>(without automatic assured start)</small>	90800	90801	90802	90803	90804	90805															
Voltage	12V	24V	12V	24V	12V	24V															
Type	Basic module (GND cable only)		Basic module with Superseal cable tails		Standard + cable tails + Switch Panel and 5m switch panel loom																
																					
Power	190A @ 85degC, Peak 1000A																				
Split Charge	Automatically closes when module senses a raised voltage from a vehicle alternator or battery charger. Automatically opens to safeguard engine start battery Opens 12.6V/25.2V Closes 13.1V/26.2V for 20 seconds																				
Battery Sense	Checks for the auxiliary battery and will not close if <3V, ensuring that a battery is present before connection. (Otherwise if battery is not present and cables are lying on the chassis a dangerous situation could occur) If battery sense is not required see our ASC+ Compact - <i>Battery protect</i> range																				
Dual Sense	The module will provide split charge in either direction allowing the charging source to be located on either side of the switch. This allows a charger to be fitted to the "aux" batteries, and when they are full, the split charge will close so the same charger keeps the engine start battery charged too.																				
Over-voltage Protection for auxiliary loads	Opens contactor to protect auxiliary loads against high voltages caused by high voltage (or faulty) charging equipment. (Default value >15.0V/30.0V)																				
Assured Start	Connects aux battery bank to provide on-board jump-start when button is pressed, so driver is aware that it has happened.		Includes superseal connector for connection of external switch to activate assured switch.		Complete system with dash-mounted switch panel, status LED and all interconnection cables. Connects via the six way superseal loom to provide dashboard control of assured start and system fault indication																
Automatic Assured Start (Optional)			Provides automatic assured start, and triggers status LED to inform driver that it is happening. (Contact Antares for details and part numbers)																		
Super-seal pin-out			<table border="0"> <tr> <td>Input 1</td> <td>brown</td> <td>Typical use</td> </tr> <tr> <td>Input 2</td> <td>blue</td> <td>switch ignition</td> </tr> <tr> <td>Ext LED drive #1</td> <td>yellow</td> <td>switch LED</td> </tr> <tr> <td>Ext LED drive #2</td> <td>green</td> <td>buzzer o/p</td> </tr> <tr> <td>100mA power feed</td> <td>orange</td> <td>switch +ve VDC</td> </tr> </table>				Input 1	brown	Typical use	Input 2	blue	switch ignition	Ext LED drive #1	yellow	switch LED	Ext LED drive #2	green	buzzer o/p	100mA power feed	orange	switch +ve VDC
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Dimensions	Module: 120mm (L) x 110mm (W) x 48mm (H)																				
Weight	approx. 0.4kg		approx. 0.4kg		approx. 0.6kg																
Connections	Power: M8 studs, negative on 125mm cable with M8 ring terminal.																				