J35 INSTALL GUIDE

The J35 is a battery management system designed to work in Jayco caravans.

The J35 operates from 240V AC mains power supply, towing vehicle auxiliary and solar panels to simultaneously power caravan loads and charge the caravan battery.



Ensure there is approximately 80mm air space on all vented sides of J35.

Do not install the J35 in a compartment where flammable material is stored, such as petrol or LPG.



Securely mount the J35 to a rigid surface. Holes for connectors must be drilled before mounting. Screws with a max diameter of 5mm must be used.





2. MAINS CABLE

The J35 is pre-cabled and fitted with a mains plug. Connections to mains supply must be in accordance with the national wiring rules.

An earth connection must be installed.

The plug must be accessible during installation, or an accessible mains disconnection switch must be incorporated in the mains wiring where the plug is connected.

4. VOLTAGE DROP CALCULATION

Scan the below QR code to determine the voltage drop of your wires. This will determine what cable size you need.



https://www.calculator.net/volt age-drop-calculator.html



6. TERMINAL OUTPUTS & LOAD RATING

The J35A and J35B-L / J35D outputs and load ratings.

J35 TERMINAL/ LOAD	CURRENT RATING	J35 TERMINAL/ LOAD	CURRENT RATING
1 – Stereo	1 5 A	5 – Lights/ Spare	1 0 A
2 – Spare	1 5 A	6 – Lights/ Spare	1 0 A
3 - Pump	1 0 A	7 – Lights/ Spare	1 0 A
4 - HWS	1 0 A		

J35B-L/J35D TERMINAL/LOAD	C U R R E N T R A T I N G	J35B-L/J35D TERMINAL/LOAD	C U R R E N T R A T I N G
1 - Slide Out	1 5 A	8-12V Outlet 1	1 0 A
2 -Spare 2	15A	9-12V Outlet 2	1 0 A
3 – Water Pump	1 0 A	10 - Spare 10	1 0 A
4 – Hot Water	1 0 A	11 – Spare 11	1 0 A
5 - Lights 1	1 5 A	12 - Spare 12	1 5 A
6 - Lights 2	1 0 A	13 - AirSusp ECU	1 0 A
7 – Lights 3	1 0 A	14 - Tablet	5 A

7. LED STATUS INDICATOR

The LED Status Indicator shows the current battery charge status.

		COLOUR CODE	FLASHING STATUS
White	Internal Error		On, Solid
	Identify Device		Flashes, 5 Times Quickly
	Storage Mode		Flashes Every 2min
Yellow: Charging	AC, Charging Normally		On, Solid
	AC, Low Battery Voltage		Flashes, 1 Time
	AC Connected, No Battery (J35B-L and J35D only)		Flashes, 1 Time
	Solar, Charging Normally		Flashes, 2 Times Quickly
	Aux, Charging Normally		Flashes, 3 Times Quickly
Green: OK	AC, Battery OK or No Battery		On, Solid
	Solar, Battery OK		Flashes, 2 Times Quickly
	Aux, Battery OK		Flashes, 3 Times Quickly
	Normal, No source present		Flashes, 1 Time
Red: Error	One (or more) Output is Overloaded		On, Solid
	Critical Fault		Flashes, 4 Times Quickly
	Solar Fault		Flashes, 3 Times Quickly
	Battery Fault		Flashes, 2 Times Quickly
	Over Voltage Fault, or High Temperature Fault		Flashes, 1 Time
OFF	J35 Powered Off		Off



Sparks have the potential to cause an explosion should combustible gases be present. These procedures are designed to minimise the risk of spark generation when connecting or disconnecting the battery.

The positive terminal of the battery MUST NOT be connected to the chassis.

The solar panel negative output (0V) is not a common ground and cannot be grounded if connected to the Power Management System.

Grounding the negative output can result in damage to the Power Management System and batteries.





PRODUCT PAG

J35 MANUAL



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