

FAULT CODE	ISSUE	CAUSE	RESOLUTION
STATE 502	INSULATION ERROR ON THE SOLAR PANELS		IF THIS STATE CODE KEEPS RE-OCCURING, CONTACT YOUR SOLAR POWER INSTALLER
STATE 509	NO ENERGY FED INTO THE GRID IN THE PAST 24 HOURS	WARNING MESSAGE IS SHOWN ON THE DISPLAY	ACKNOWLEDGE STATE CODE; CHECK WHETHER ALL THE CONDITIONS FOR THE PROBLEM FREE ENERGY FEEDING TO THE GRID HAVE BEEN MET. THE STATE CODE CONTINUES TO DISPLAY, LOOK OUT FOR FURTHER STATE CODES.
STATE 515	NO COMMUNICATION WITH FILTER POSSIBLE		
STATE 516	NO COMMUNICATION POSSIBLE WITH THE STORAGE UNIT	STORAGE UNIT WARNING MESSAGE	IF THE STATUS CODE IS DISPLAYED ALL THE TIME, NOTIFY YOUR LOCAL FRONIUS SERVICE PARTNER PLUS.
STATE 517	DERATING CAUSED BY TEMPERATURE TOO HIGH	WHEN POWER DERATING OCCURS, A WARNING MESSAGE IS SHOWN ON THE DISPLAY	PURGE COOLING AIR OPENINGS AND HEAT SINK IF NECESSARY. FAULT IS RECTIFIED AUTOMATICALLY. IF THIS STATE CODE KEEPS RE-OCCURING CONTACT YOUR SOLAR POWER INSTALLER.
STATE 522	DC1 INPUT VOLTAGE TOO LOW	THE DC VOLTAGE ON INPUT 1 OF THE INVERTER IS TOO LOW	CHECK VOLTAGE AND POLARITY ON INPUT 1 OF THE INVERTER. IF THIS STATE KEEPS RE-OCCURING, CONTACT YOUR SOLAR POWER INSTALLER.
STATE 523	DC2 INPUT VOLTAGE TOO LOW	THE DC VOLTAGE ON INPUT 2 OF THE INVERTER IS TOO LOW	CHECK VOLTAGE AND POLARITY ON INPUT 2 OF THE INVERTER. IF THIS STATE KEEPS RE-OCCURING, CONTACT YOUR SOLAR POWER INSTALLER.
STATE 558	FUNCTIONAL INCOMPATABILITY (ONE OR MORE PC BOARDS IN THE INVERTER ARE NOT COMPATABLE WITH EACH OTHER. EG: AFTER A PC BOARD HAS BEEN REPLACED)	POSSIBLE ERROR DISPLAYS OR MALFUNCTION ON THE INVERTER	IF THIS STATE KEEPS RE-OCCURING, CONTACT YOUR SOLAR POWER INSTALLER
STATE 560	DERATING CAUSED BY OVER-FREQUENCY	THIS STATE IS DISPLAYED WHEN THE GRID FREQUENCY BECOMES EXCESSIVELY HIGH. THE INVERTER WILL THEN REDUCE ITS OUTPUT. THE STATUS INDICATOR WILL CONTINUE TO BE DISPLAYED UNTIL THE INVERTER HAS RETURNED TO NORMAL OPERATION.	AS SOON AS THE GRID FREQUENCY IS BACK WITHIN THE PERMISSIBLE RANGE AND THE INVERTER HAS RETURNED TO NORMAL OPERATION THE FAULT CODE WILL BE RECTIFIED AUTOMATICALLY. IF THIS STATE CODE KEEPS RE-OCCURING CONTACT YOUR SOLAR POWER SYSTEM INSTALLER.
STATE 566	ARC DETECTOR SWITCHED OFF (EG: DURING EXTERNAL ARC MONITORING)	THIS STATE CODE IS DISPLAYED EVERY DAY UNTIL THE ARC DETECTOR IS RE-ACTIVATED	NO ERROR, CONFIRM STATUS CODE BY PRESSING 'ENTER'
STATE 567	GRID VOLTAGE DEPENDANT POWER REDUCTION IS ACTIVE	THIS STATE CODE IS A WARNING INFORMING YOU THAT THE GRID VOLTAGE DEPENDANT POWER REDUCTION MODE (GVDPR OR VOLT - WATT MODE) HAS BEEN ACTIVATED AND THE INVERTER WILL CONTINUE TO OPERATE WITH REDUCED POWER OUTPUT. THIS IS BECAUSE THE GRID VOLTAGE HAS EXCEEDED 250VAC AND THE GVDPR HAS BEEN ENABLED TO TRY TO REDUCE THE VOLTAGE RISE AT THE INVERTERS TERMINALS. THIS MODE MUST BE ENABLED BY DEFAULT IN ACCORDANCE WITH THE LATEST AUSTRALIAN STANDARDS.	ACKNOWLEDGE STATUS CODE. IF THIS STATE 567 CODE KEEPS RE-OCCURRING, CONTACT YOUR SOLAR POWER SYSTEM INSTALLER.
			GRID VOLTAGE IS HIGHER THAN IT SHOULD BE, THIS STATE CODE COULD MEAN THAT YOUR SOLAR POWER OUTPUT IS BEING DECREASED TO REDUCE FURTHER VOLTAGE RISE WITHIN THE GRID.