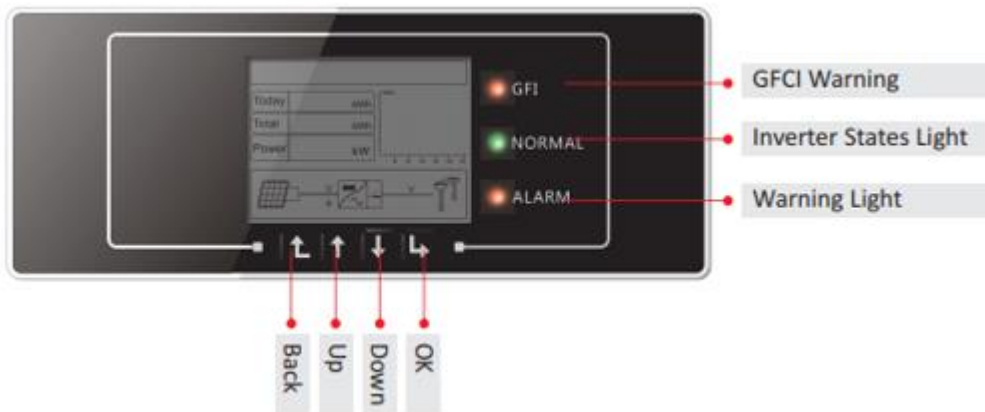


Display Sofar Solar omvormer.



Pijltoetsen.

Pijl omhoog: Terug naar het beginscherm/hoofdmenu van de display

Pijl omhoog: Omhoog scrollen door het menu

Pijl naar beneden: Omlaag scrollen door het menu

Pijl naar rechts: Om de selectie te bevestigen

Lampjes:

Status van de werking (groen)

- Knipperend: Opstarten of aan het wachten
- Aan: Omvormer functioneert goed
- Uit: Omvormer heeft een storing

Waarschuwinglamp (rood)

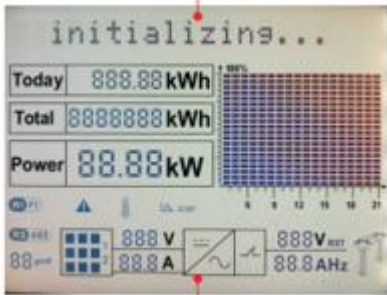
- Aan: Omvormer heeft een storing
- Uit: Omvormer Functioneert goed

GFCI (rood)

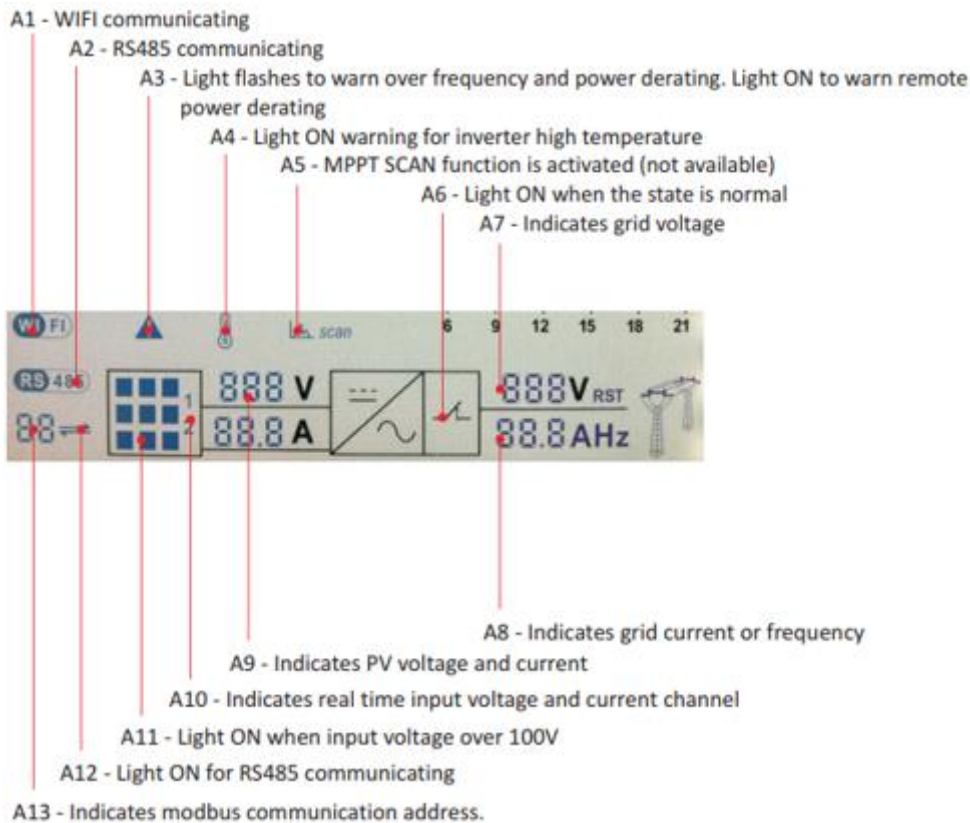
- Aan: Omvormer heeft een storing
- Uit: Omvormer Functioneert goed

Standaard Display

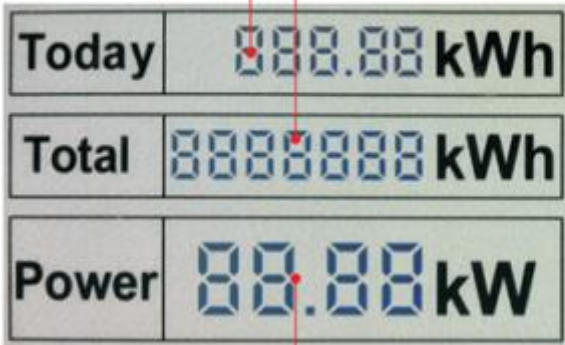
Het display wordt gebruikt om de status en werking van de omvormer aan te geven.



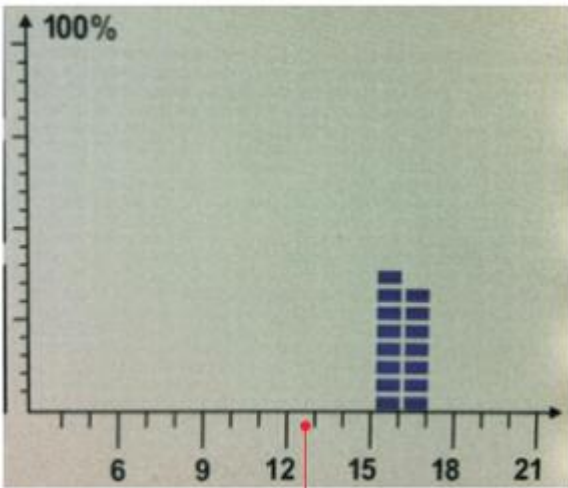
Het display geeft aan; updates van de omvormer, power, input information(zonnepanelen) en waarschuwingen.



A14 Dagelijkse energieopwekking
A15 Totale energieopwekking



A16 - Wat het systeem op dit moment aan bruikbare stroom produceert



A17 - Grafiek die aangeeft wat de zonnepanelen per uur opleveren

* Als de omvormer Initializing aangeeft is hij aan het opstarten of verbinding aan het maken.

Initializing...

* Als de omvormer intern is opgestart zou hij kunnen aangeven; "wait 10s of Check" is hij aan het verbinding maken en informatie ophalen.

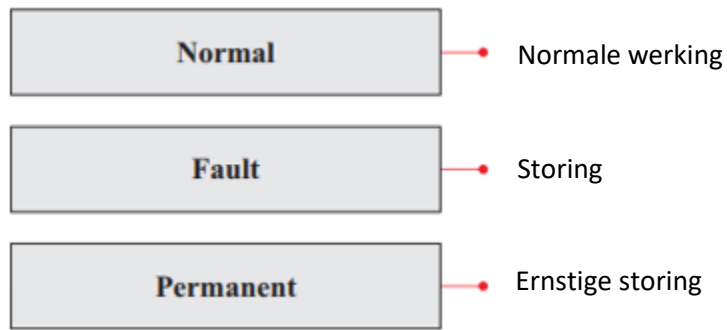
Wait 10s

• Waiting States, Countdown 10S

Check

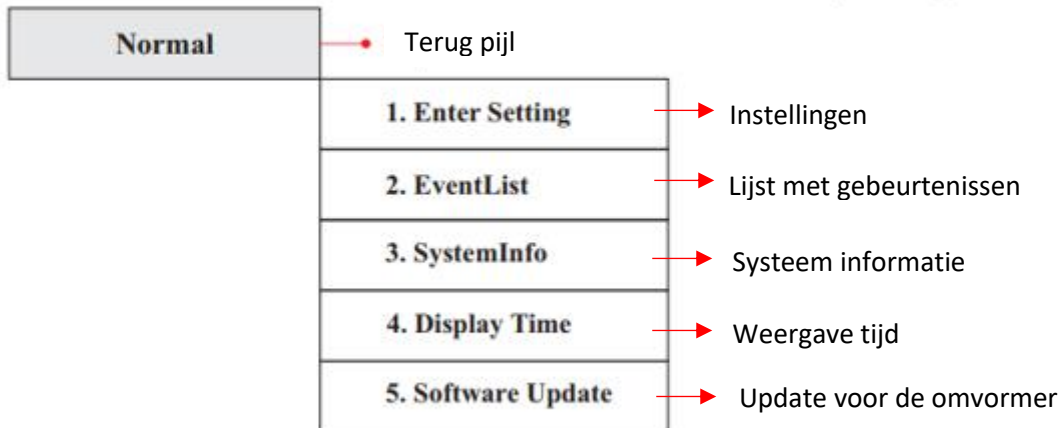
• Checking

Na het opstarten zou hij het volgende aangeven.



Main Interface

Press "Back" button under standard interface to enter into main interface, including:



Storingscodes

Geef bij een storingsmelding de code aan. zo kunnen wij u goed helpen en indien mogelijk telefonisch instrueren over een simpele oplossing. Bij een gecompliceerde storing zullen wij, Tenten Solar, u zo spoedig mogelijk ter plaatse helpen

© EventList information

Table 7-1 Eventlist

EventList NO.	EventList Name	EventList description	solution
ID01	GridOVP	The power grid voltage is too high	<ul style="list-style-type: none"> • If the alarm occurs occasionally, the possible cause is that the electric grid is abnormal occasionally. SOFAR inverter automatically returns to normal operating status when the electric grid's back to normal. • If the alarm occurs frequently, check whether the grid voltage/frequency is within the acceptable range. If no, contact SOFAR technical support. If yes, check the AC circuit breaker and AC wiring of the SOFAR inverter. • If the grid voltage/frequency is within the acceptable range and AC wiring is correct, while the alarm occurs repeatedly, contact SOFAR technical support to change the grid over-voltage, under-voltage, over-frequency, under-frequency protection points after obtaining approval from the local electrical grid operator.
ID02	GridUVP	The power grid voltage is too low	
ID03	GridOFP	The power grid frequency is too high	
ID04	GridUFP	The power grid frequency is too low	

ID09	PvOVP	The input voltage is too high	Check whether too many PV modules are series connected in a PV string, thus the voltage(Voc) of the PV string is higher than the maximum input voltage of SOFAR inverter. If yes, adjust the number of series connected PV modules to decrease the voltage of the PV string to fit the input voltage range of SOFAR inverter. SOFAR inverter automatically returns to normal operating status after correct adjustments.
ID12	GFCIFault	GFCI Fault	<ul style="list-style-type: none"> • Please turn off AC and DC break, • Check the surrounding equipment on the AC side.
ID14	HwBoostOCP	The input current is too high, and has happen hardware protection	Check whether the input current is higher than the maximum input current of SOFAR inverters, then check the input wiring, if both are correct, please contact SOFAR technical support.
ID15	HwAcOCP	The grid current is too high, and has happen hardware protection	ID15-ID22 are internal faults of SOFAR inverter, turn OFF the "DC switch", wait for 5 minutes, then turn ON the "DC switch". Check whether the fault is rectified. If no, please contact SOFAR technical support.
ID16	AcRmsOCP	The grid current is too high	
ID20	GFCIDeviceFault	The GFCI sampling error	
ID22	HwAuxPowerFault	The auxiliary voltage error	
ID26	BusOVP	The bus voltage is too high	
ID26	BusOVP	The bus voltage is too high	Id26 are internal faults of SOFAR inverter, turn OFF the "DC switch", wait for 5 minutes, then turn ON the "DC switch". Check whether the fault is rectified. If no, please contact SOFAR technical support.
ID28	DciOCP	The Dci is too high	Turn OFF the "DC switch", wait for 5 minutes, then turn ON the "DC switch". Check whether the fault is rectified. If no, please contact SOFAR technical support.
ID29	SwOCPInstant	The grid current is too high	Internal faults of SOFAR inverter, turn OFF the "DC switch", wait for 5 minutes, then turn ON the "DC switch". Check whether the fault is rectified. If no, please contact SOFAR technical support.
ID30	SwBOCPInstant	The input current is too high	Check whether the input current is higher than the maximum input current of SOFAR inverters, then check the input wiring, if both are correct, please contact SOFAR technical support.
ID49	ConsistentFault_VGrid	The grid voltage sampling value is not consistent	ID49-ID55 are internal faults of SOFAR inverter, turn OFF the "DC switch", wait for 5 minutes, then turn ON the "DC switch". Check whether the fault is rectified. If no, please contact SOFAR technical support.
ID50	ConsistentFault_FGrid	The grid frequency sampling value is not consistent	
ID51	ConsistentFault_DCI	The DCI sampling value is not consistent	
ID52	ConsistentFault_GFCI	The GFCI sampling value is not consistent	
ID53	SpiCommLose	The spi communication is fault	
ID54	SciCommLose	The Sci communication is fault	
ID55	RelayTestFail	The relays fault	

ID58	OverTempFault_Boost	The Boost temp is too high	<ul style="list-style-type: none"> • Ensure the installation position and installation method meet the requirements of Section 3.4 of this user manual. • Check whether the ambient temperature of the installation position exceeds the upper limit. If yes, improve ventilation to decrease the temperature.
ID59	OverTempFault_Env	The environment temp is too high	
ID65	UnrecoverHwAcOCP	The grid current is too high, and has cause unrecoverable hardware fault	ID65-ID70 are internal faults of SOFAR inverter, turn OFF the "DC switch", wait for 5 minutes, then turn ON the "DC switch". Check whether the fault is rectified. If no, please contact SOFAR technical support.
ID66	UnrecoverBusOVP	The bus voltage is too high	
ID70	UnrecoverOCPInstant	The grid current is too high	
ID74	UnrecoverIPVInstant	The input current is too high	
ID75	UnrecoverWRITEEEPROM	The EEPROM is unrecoverable	ID74-ID77 are internal faults of SOFAR inverter, turn OFF the "DC switch", wait for 5 minutes, then turn ON the "DC switch". Check whether the fault is rectified. If no, please contact SOFAR technical support.
ID76	UnrecoverREADEEPROM	The EEPROM is unrecoverable	
ID77	UnrecoverRelayFail	Relay has happen permanent fault	
ID81	OverTempDerating	the inverter has derated because of the temperature is too high	<ul style="list-style-type: none"> • Ensure the installation position and installation method meet the requirements of Section 3.4 of this user manual. • Check whether the ambient temperature of the installation position exceeds the upper limit. If yes, improve ventilation to decrease the temperature.
ID82	OverFreqDerating	the inverter has derated because of the grid frequency too high	SOFAR inverter automatically reduce the output power when the frequency of electrical grid is too high.
ID95	Communication board EEPROM fault	Communication board EEPROM fault	ID95-ID96 are internal faults of SOFAR inverter, turn OFF the "DC switch", wait for 5 minutes, and then turn ON the "DC switch". Check whether the fault is rectified. If no, please contact SOFAR technical support.
ID96	RTC clock chip anomaly	RTC clock chip anomaly	
ID98	SD fault	The SD card is fault	Please replace the SD card.