



Product Information

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Please note, we only supply Dealers and Installers.

SALVARE THREE - 3KW Hybrid Inverter

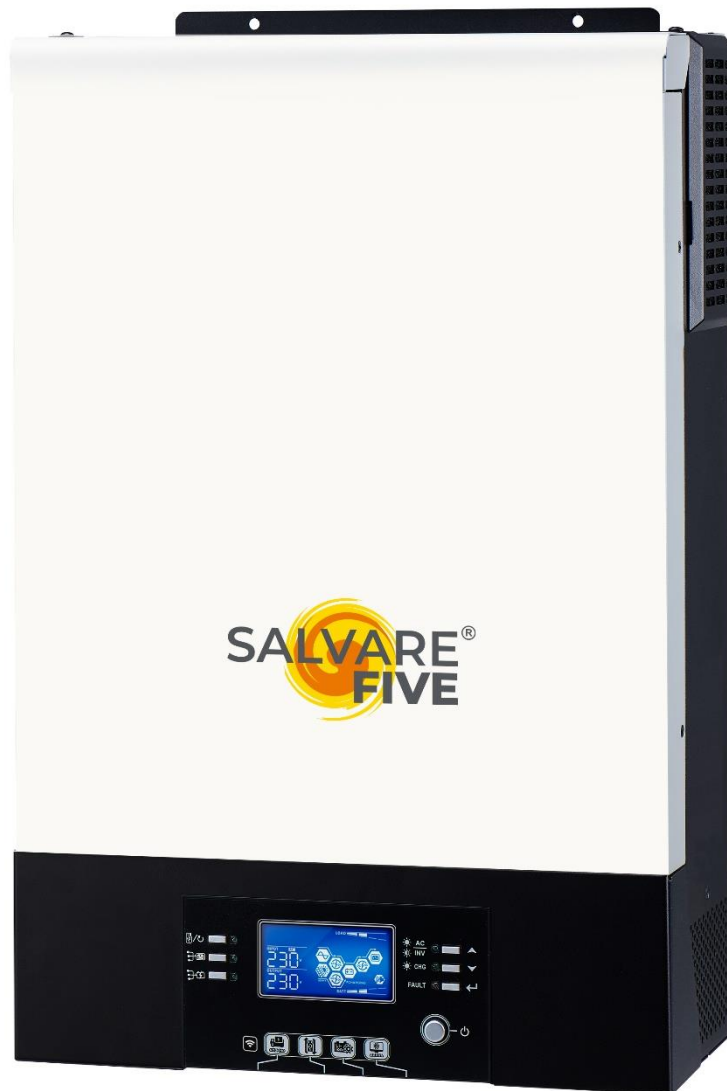


Key Features:

- PURE SINE WAVE Inverter
- High Frequency Hybrid Inverter
- CAN RUN without Batteries!
- Compatible with Lithium-Ion batteries
- Detachable LCD control module
- Reserved Communications port for BMS (RS-485, CAN-Bus, or RS-232)
- Replaceable fan design
- User-friendly LCD operation
- Can run without batteries
- Integrated Bluetooth interface with Android app
- Supports USB On-the-Go function

SALVARE THREE - 3KW HYBRID INVERTER SPECIFICATIONS	
Voltronic Model	Axpert VM III-3000-24
Rated Power	3000VA/3000W
Parallel Capacity	NO
GRID INPUT	
Voltage	230VAC
Selectable Voltage Range	170-280VAC (UPS) 90-280VAC (APL)
Frequency Range	50Hz/60Hz)Auto sensing)
LOAD OUTPUT	
AC Voltage Regulation (Battery Mode)	230VAC (±5%)
Surge Power	6000VA
Transfer Time	15ms (UPS) 20ms (APL)
Waveform	Pure Sine Wave
EFFICIENCY	
Efficiency (Peak)	90% - 93%
BATTERY	
Battery Voltage	24VDC
Floating Charge Voltage	27VDC
Overcharge Protection	33VDC
SOLARCHARGER AND AC CHARGER	
Solar Charger Type	MPPT
Maximum PV Array Power	4000W
MPP Range @ Operating Voltage	120-450VDC
Maximum PV Array Open Circuit Voltage	500VDC
Maximum Solar Charge Current	100A
Maximum AC Charge Current	100A
Maximum Charge Current	100A
PHYSICAL	
Dimension, D X W x H (mm)	100 X 280 X 390
Net Weight (kg)	8.5
Communication Interface	USB/RS232/RS485/ Bluetooth/Dry Contact
OPERATING ENVIRONMENT	
Humidity	5% - 95% Relative Humidity (Non-Condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C

SALVARE FIVE – 5KW HYBRID INVERTER



Key Features:

- Zero (0ms) transfer time to protect mission-critical loads such as servers and ATMs.
- High PV input voltage range
- Removable LCD control module with multiple communications
- Selectable high power charging current
- Built-in Wi-Fi for mobile monitoring (App is available)
- Configurable AC/Solar input priority via LCD setting
- Reserved communication port for BMS (RS485 or CAN-BUS)
- Parallel operation up to 9 units
- 6000W Max PV array

SALVARE FIVE - 5KW HYBRID INVERTER SPECIFICATIONS	
Voltronic Model	Axpert King II-5000-48
Rated Power	5000VA/5000W
Parallel Capacity	Up to 9 Units
GRID INPUT	
Voltage	230VAC
Selectable Voltage Range	110 - 280VAC
Frequency Range	50Hz/60Hz (Auto sensing)
Power Factor	≥ 0.98 @ Nominal Voltage (100% Load)
THDi	≤ 10%
LOAD OUTPUT	
Frequency Range (Synchronised Range)	46~54 Hz or 56~64 Hz
Frequency Range (Battery Mode)	50 Hz ± 0.1 Hz or 60Hz ± 0.1 Hz
Harmonic Distortion	≤3 % THD (Linear Load); ≤ 5 % THD (Non-linear Load)
Transfer Time	AC Mode to Batt. Mode - 0ms Inverter to Bypass - 4ms
Waveform	Pure Sine Wave
EFFICIENCY	
Line Mode	94%
ECO Mode	98%
Battery Mode	92%
BATTERY	
Battery Voltage	40-62 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	62 VDC
SOLARCHARGER AND AC CHARGER	
Solar Charger Type	MPPT
Maximum PV Array Power	6000W
MPP Range @ Operating Voltage	120-450VDC
Maximum PV Array Open Circuit Voltage	500VDC
Maximum Solar Charge Current	100A
Maximum AC Charge Current	100A
PHYSICAL	
Dimension, D X W x H (mm)	138.4 x 298 x 467.6
Net Weight (kg)	12
Communication Interface	RS232, USB, DRY CONTACT, WI-FI, RS485, CAN
OPERATING ENVIRONMENT	
Humidity	5% - 95% Relative Humidity (non-Condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C

SALVARE SIX – 6KW ON-GRID INVERTER



Key Features:

- Customizable status LED ring with RGB lights
- Touchable button with 4.3" coloured LCD
- Supports USB On-the-Go function
- Data log events stored in the inverter
- Self-consumption and Feed-in to the grid
- Programmable supply priority for PV, Battery or Grid
- User-adjustable charging current and voltage
- Programmable multiple operation modes: Grid-tie, Off-grid and Grid-tie with backup
- Built-in Wi-Fi for Remote mobile monitoring
- Reserved communication port for BMS
- Parallel operation up to 9 units

SALVARE SIX - 6KW ON-GRID INVERTER SPECIFICATIONS	
Voltronic Model	Infinisolar V IV 6kW
Rated Power	6000VA/6000W
GRID-TIE OPERATION	
PV INPUT (DC)	
Nominal DC Voltage / Maximum DC Voltage	360 VDC / 500 VDC
Start-up Voltage / Initial Feeding Voltage	110VDC / 120 VDC
MPP Voltage Range	120 VDC ~ 430 VDC
Number of MPP Trackers / Maximum Input Current	1 / 27 A
GRID OUTPUT (AC)	
Nominal Output Voltage	220/230/240 VAC
Output Voltage Range	184 - 264.5 VAC or 195.5 - 253 VAC (Selectable)
Nominal Output Current	24.3A
Power Factor	> 0.9
EFFICIENCY	
Maximum Conversion Efficiency (DC/AC)	96%
OFF-GRID OPERATION	
AC INPUT	
AC Start-up Voltage / Auto Restart Voltage	120 - 140 VAC / 180 VAC
Acceptable Input Voltage Range	90 - 280 VAC or 170 - 280 VAC
Maximum AC Input Current	40 A
PV INPUT (DC)	
Maximum DC Voltage	450 VDC
MPP Voltage Range	120 VDC ~ 430 VDC
Number of MPP Trackers / Maximum Input Current	1 / 27 A
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	220/230/240 VAC
Output Waveform	PURE SINEWAVE
Efficiency (DC to AC)	93%
HYBRID OPERATION	
PV INPUT (DC)	
Nominal DC Voltage / Maximum DC Voltage	360 VDC / 450 VDC
Start-up Voltage / Initial Feeding Voltage	110VDC / 120 VDC
MPP Voltage Range	120 VDC ~ 430 VDC
Number of MPP Trackers / Maximum Input Current	1 / 27 A

GRID OUTPUT (AC)	
Nominal Output Voltage	220/230/240 VAC
Output Voltage Range	184 - 264.5 VAC or 195.5 - 253 VAC (Selectable)
Nominal Output Current	24.3A
AC INPUT	
AC Start-up Voltage / Auto Restart Voltage	120 - 140 VAC / 180 VAC
Acceptable Input Voltage Range	90 - 280 VAC or 170 - 280 VAC
Maximum AC Input Current	40A
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	220/230/240 VAC
Efficiency (DC to AC)	93%
BATTERY & CHARGER	
Nominal DC Voltage	48 VDC
Maximum Solar Charging Current	120A
Maximum AC Charging Current	120A
Maximum Charging Current	120A
GENERAL	
PHYSICAL	
Dimensions, D X W x H (mm)	140 x 295 x 468
Net Weight (kg)	12
INTERFACE	
Parallel Function	Yes, 9 units
Communication Port	USB/RS232/RS485/Wifi/Dry-contact
OPERATING ENVIRONMENT	
Humidity	0 ~ 90% RH (Non-condensing)
Operating Temperature	-10 to 50°C

SALVARE TWIN – 6KW ON-GRID INVERTER



Key Features:

- Maximum PV input current 27A
- Dual outputs for smart load management
- Touchable button with 4.3" coloured LCD
- Self-consumption and Feed-in to the grid
- Programmable supply priority for PV, Battery or Grid
- User-adjustable charging current and voltage
- Programmable multiple operation modes: Grid-tie, Off-grid and Grid-tie with backup
- Built-in Wi-Fi for mobile monitoring (Android/iOS App available)
- Reserved communication port for BMS
- Parallel operation up to 9 units

SALVARE TWIN - 6KW ON-GRID INVERTER	
Voltronic Model	Infinisolar V IV 6kW TWIN
Rated Power	6000VA/6000W
GRID-TIE OPERATION	
PV INPUT (DC)	
Nominal DC Voltage / Maximum DC Voltage	360 VDC / 500 VDC
Start-up Voltage / Initial Feeding Voltage	110VDC / 120 VDC
MPP Voltage Range	120 VDC ~ 430 VDC
Number of MPP Trackers / Maximum Input Current	1 / 27 A
GRID OUTPUT (AC)	
Nominal Output Voltage	220/230/240 VAC
Output Voltage Range	184 - 264.5 VAC or 195.5 - 253 VAC (Selectable)
Nominal Output Current	26A
Power Factor	> 0.9
EFFICIENCY	
Maximum Conversion Efficiency (DC/AC)	96%
OFF-GRID OPERATION	
AC INPUT	
AC Start-up Voltage / Auto Restart Voltage	120 - 140 VAC / 180 VAC
Acceptable Input Voltage Range	90 - 280 VAC or 170 - 280 VAC
Maximum AC Input Current	40 A
PV INPUT (DC)	
Maximum DC Voltage	500 VDC
MPP Voltage Range	120 VDC ~ 430 VDC
Number of MPP Trackers / Maximum Input Current	1 / 27 A
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	220/230/240 VAC
Output Waveform	PURE SINEWAVE
Efficiency (DC to AC)	93%
HYBRID OPERATION	
PV INPUT (DC)	
Nominal DC Voltage / Maximum DC Voltage	360 VDC / 450 VDC
Start-up Voltage / Initial Feeding Voltage	110VDC / 120 VDC
MPP Voltage Range	120 VDC ~ 430 VDC
Number of MPP Trackers / Maximum Input Current	1 / 27 A

GRID OUTPUT (AC)	
Nominal Output Voltage	220/230/240 VAC
Output Voltage Range	184 - 264.5 VAC or 195.5 - 253 VAC (Selectable)
Nominal Output Current	26A
AC INPUT	
AC Start-up Voltage / Auto Restart Voltage	120 - 140 VAC / 180 VAC
Acceptable Input Voltage Range	90 - 280 VAC or 170 - 280 VAC
Maximum AC Input Current	40A
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	220/230/240 VAC
Efficiency (DC to AC)	93%
BATTERY & CHARGER	
Nominal DC Voltage	48 VDC
Maximum Solar Charging Current	120A
Maximum AC Charging Current	120A
Maximum Charging Current	120A
GENERAL	
PHYSICAL	
Dimensions, D X W x H (mm)	140 x 295 x 468
Net Weight (kg)	12
INTERFACE	
Parallel Function	Yes, 9 units
Communication Port	USB/RS232/RS485/Wifi/Dry-contact
OPERATING ENVIRONMENT	
Humidity	0 ~ 90% RH (Non-condensing)
Operating Temperature	-10 to 50°C

SALVARE MAX 7,2KW



Key Features:

- Status indication with RGB lights
- Built-in Wi-Fi for mobile monitoring (Android/iOS App is available)
- Supports USB On-the-Go function
- Reserved communication port for BMS (RS485, CAN-BUS or RS232)
- Replaceable fan design for ease of maintenance
- Battery independent design
- Configurable AC/PV output usage timer and prioritization
- Selectable high power charging current
- Selectable input voltage range for home appliances and personal computers
- Compatible to Utility Mains or generator input
- Built-in anti-dust kit
- Optional DC output for DC fan, LED bulb, router and so on.
- Parallel operation with 6 units
- Dual outputs selected as either programmable output or generator input

SALVARE MAX - 7,2KW HYBRID INVERTER SPECIFICATIONS	
Voltronic Model	Axpert MAX 7,2kW
Rated Power	7200VA/7200W
Parallel Capacity	Up to 6 Units
GRID INPUT	
Voltage	230VAC
Selectable Voltage Range	170-280VAC (UPS) 90-280VAC (APL)
Frequency Range	50Hz/60Hz)Auto sensing)
LOAD OUTPUT	
AC Voltage Regulation (Battery Mode)	230VAC (±5%)
Surge Power	15000VA
Transfer Time	15ms (UPS) 20ms (APL)
Waveform	Pure Sine Wave
EFFICIENCY	
Efficiency (Peak)	90% - 93%
BATTERY	
Battery Voltage	48VDC
Floating Charge Voltage	54VDC
Overcharge Protection	66VDC
SOLARCHARGER AND AC CHARGER	
Solar Charger Type	MPPT X 2
Maximum PV Array Power	8000W (4000W X 2)
MPP Range @ Operating Voltage	90-450VDC
Maximum PV Array Open Circuit Voltage	500VDC
Maximum Solar Charge Current	80A
Maximum AC Charge Current	80A
Maximum Charge Current	80A
PHYSICAL	
Dimension, D X W x H (mm)	147.4 x 432.5 x 553.6
Net Weight (kg)	18.4
Communication Interface	USB/RS232/RS485/ Wifi/Dry-contact
OPERATING ENVIRONMENT	
Humidity	5% - 95% Relative Humidity (Non Condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C

SALVARE MINI LITHIUM BATTERY



SALVARE MINI 25.6V 105Ah

1. Concise and high-end appearance design
2. Support 1C charge & discharge current
3. Support in parallel or in series connection (Max 2s2p)
4. Built in Over temperature, over voltage, over current, short circuit protection

Parameters

Product Model	Salvare Mini
Nominal Energy	2.68KWH
Nominal Voltage	25.6V
Nominal Capacity	105Ah
Cell Type	LFP
Bulk Charge Voltage	28.5V
Max Discharge Current	100A
Floating Charging Voltage	26.4V
Discharge Cut-Off Voltage	24V
Parallels Function	Max Support 2S2P
Communication Interface	No
Cycle Life *	4000+ Cycles (80%DOD)
Charge temperature range	0~65°C
Discharge temperature range	-20~65°C
Certification	MSDS / UN38.3
Dimensions	500*380*140mm
Weight	25.5Kg
Installation method	Wall Mounted
Warranty	3 Years

*Test Condition: 80% DOD, 0.2C charge & discharge @25°C

SALVARE ONE LITHIUM BATTERY

51.2V 100Ah

SO-51.2V



Key Features

- ★ Automotive Grade Cells-16 cell configuration
- ★ Integrated CAN bus RS485 BMS.
- ★ LED display shows battery Power.
- ★ Pre-configured with optimal parameters.
- ★ No other LiFePO4 battery offers this functionality, longevity and warranty at our price.
- ★ Warranted for daily cycling.
- ★ Communicated with inverter brand: SMA, Studer, Solar-Edge, Schneider, DEYE, Solis, Sungrow, Growatt, Sofar, Must, Sol-Ark, Sunsynk and etc

Application

- ★ Over charge detection function
- ★ Over discharge detection function
- ★ Over current detection function
- ★ Temperature protection function
- ★ Short circuit detection function
- ★ Balance function
- ★ Upper computer software monitor
- ★ LCD Screen optional

SALVARE ONE PARAMETERS

Product model	SO-51.2V
Product specification	51.2V 100Ah
Nominal voltage	51.2V
Nominal capacity	100Ah
Cell type	(LFP)
Charge Voltage	55.2V-56VDC
Max charge current	100A
Discharge cut-off voltage	44.8V
Max discharge current	100A
Parallels Function	Support 8 units in parallels
Communication interface	RS485、RS232、CAN(Optional)
Cycle life	≥ 6000 Cycles (80%DOD)
Charge temperature range	0~65°C
Discharge temperature range	-20~65°C
Colour	(Grey and white)
Dimensions	480*650*169.5MM
Weight	48Kg
Installation method	(Wall mounted)
Warranty	10 Years For Cells, 5 Years For BMS



WARRANTY POLICY V.23.1

1. Warranty Terms

The Company warrants the products to be free from any material defects and are suitable for its designed purpose, which is limited to the capacity of each respective product.

The Company provides a warranty in respect of the following:

- SALVARE Inverters for a period of 3 YEARS
- SALVARE MINI 25,6V/100Ah for 3 YEARS
- SALVARE ONE Lithium batteries 10 YEARS or 5000 Cycles (whichever comes first) on the CELLS and 5 YEARS on the BMS. ** See detailed terms and conditions on the SALVARE ONE Warranty below on page 2.

The Warranty will be effective from the date of sale from SOLARIMPORTS to the Dealer/Installer/Customer. The Warranty covers the cost of the product's repair or replacement parts. The product must be returned to the Company for inspection. The company may repair or replace faulty components at its discretion.

2. Warranty Limitations

The warranty is valid only for the products purchased either directly from the Company or from an authorized reseller of the Company. The warranty is not transferable and only applies to brand new products. Defective parts replaced under warranty become the property of the Company. The warranty is only honoured when the products being used are approved for its specific use by the Company and correctly installed.

The Warranty does not cover:

- a) Access, labour or transport costs;
- b) Consequential damages including but not limited to loss of revenue;
- c) Claims by third parties other than the Customer;
- d) Defects of installation (Except where the installation is performed by the Company);
- e) Damaged products as a consequence of incorrect installation. (Except where the installation is performed by the Company);
- f) Items ancillary to installation not supplied by the Company;
- g) Duties, import/export fees or costs and other general administrative costs;
- h) Damage to the products caused by misuse, improper handling or unauthorized modification;
- i) Loss or damage occurring whilst in transit;
- j) Accidental or wilful damage;
- k) Any products described in a quotation or delivery note as 'ex-display' or 'reconditioned'. (A separate Warranty extension may have been issued to cover such products.)
- l) Labour, travel and delivery (to and from customer) will be charged if the products returned found to be not faulty following a warranty claim.

3. Warranty Claims Procedure

To make a warranty claim the following information needs to be provided:

- a) Product Model and Product Serial Number;
- b) Copy of the invoice for the inverter;
- c) Copy of the installation report and Certificate of Compliance (COC) for the installation.
- d) It is for the client to arrange delivery and collection of the unit.

The cost of repair or provision of replacement units will be borne by the Company provided the warranty has been validated and the warranty period has not expired.

This information is subject to changes without notice with all rights reserved by SOLARIMPORTS.

SALVARE ONE WARRANTY TERMS & CONDITIONS

- This warranty covers the SALVARE ONE 5.2KW/100Ah wall mount Lithium batteries (the “Battery”).
- The Battery is designed for and intended to have a 15 year life span. The Battery has a built-in reserve margin capacity to ensure the Battery life span is maximised, and the Battery is thus rated to deliver at least 100Ah of power when new.

Battery Warranty

- The warranty period commences on the date of purchase from SOLARIMPORTS as supplied to either the Dealer, Installer or End-User as reflected on the SOLARIMPORTS Tax Invoice.
- SOLARIMPORTS warrants that the Battery cells will achieve at least 10 years’ service life or deliver at least 4000 charge/discharge cycles as counted by the BMS, whichever event occurs first.

Warranty Conditions:

1. The customer’s invoice must reflect the serial number of the relevant Battery on the SOLARIMPORTS invoice. The original invoice (digital or printed) must be provided to SOLARIMPORTS in order to commence a warranty claim.
2. The Battery is intended to be used for standby backup or daily cycling in UPS and Inverter systems including Solar Inverters. Other uses for the Battery will void the warranty.
3. A Battery Fuse Isolator or suitable DC Breaker must be installed between the Inverter and the Battery or Battery bank. Failure to install a suitable rated fuse or DC breaker can damage the Battery and will void the warranty.
4. The Battery is intended to be used indoors only. Outdoor use will render the warranty void.
5. The Battery must not have been contaminated with any foreign or corrosive matter. Contamination will void the warranty.
6. The warranty does not cover damage due to neglect or abuse such as improper installation, freezing, fire, flooding, or any acts of nature.
7. The warranty does not cover surges or spikes from the inverter or charging device that could damage the Battery.
8. If the Battery was installed incorrectly and not according to the manual with correct settings it could result in damage. Incorrect installation and setup will void the warranty.
9. Incorrect sizing of the inverter, charger, or solar system can damage the Battery and void the warranty.
10. Warranty will be void if the firmware or BMS on the device has been deliberately tampered with or to try and reset cycle values or any data for warranty evaluation purposes.
11. If it is found that the Battery is being overloaded through large current draws above the intended rating of the Battery, which is outside the intended or indicated specification parameters, the warranty will be void.
12. If the serial number has been tampered with or has been removed from the device the warranty will be void.
13. Warranty will be void if the BMS records (single instance or more) an internal temperature of higher than 55 degrees Celsius.
14. If the Battery is interconnected or mixed with other non-SALVARE ONE batteries the warranty is void.
15. If the Battery has been opened or serviced by any person other than SOLARIMPORTS the warranty is void.
16. If the Battery has been short circuited or the BMS records a Short Circuit event, the warranty will be void.
17. If the Battery is damaged due to incorrect or improper installation or negligence or excessive wear and tear the warranty is void.
18. If the Inverter damages the Battery due to voltage spikes or overloading the Battery or incorrect DC voltages are applied to the Battery, the warranty is void.
19. If the inverter/charger used on the Battery is out of the Battery usage specification or incorrectly sized the warranty will be void.
20. Any damage to the Battery caused by peripheral electrical equipment will void the warranty.
21. It is forbidden to connect any 3rd party devices to the service ports, which is the RS232 and RS485 ports. These ports are reserved for workshop maintenance only and is for programming the BMS. Connecting any 3rd party devices to the RS232 or RS485 ports will void the warranty. For complete off grid installations with no utility power as part of the installation, the Installer/Client is required to ensure that that the Batteries are fully charged at least once every 7 days to enable the BMS cell balancer to activate and perform cell balancing.
22. While the operating temperature for the Battery is designed to be 0 to 55 degrees Celsius, it is required, in order to sustain the warranty, that the customer keep the Battery temperature below 35 degrees Celsius when operating the Battery. This is also to maximise the life cycle of the Battery. The cycle life is negatively affected by temperatures above 35 degrees. The cycle life cannot be guaranteed if the Battery is operated in sustained or recurring temperatures exceeding 35 degrees Celsius. Operation of the Battery in such circumstances will void the warranty.
23. The Battery is fully integrated and contained and is thus non serviceable and not intended to be opened by anyone except authorised service centres. If it has been found that the unit has been tampered with or has been opened or attempted to be opened, the warranty will be void.
24. In the event that the Battery cannot be serviced or repaired, a prorated warranty will apply. Any repairs or replacement parts will not extend the original warranty period.

BMS Warranty - The integrated BMS module is designed to last over 15 years, however a standard 5-year warranty is provided for the BMS and all related probes and sensors.