# **LINVICTA** BATTERIES

## SNL36V100BT SPECIFICATION SHEET



#### About Invicta Lithium

The Invicta Lithium 36V range has been specifically designed for replacement of similar size Lead acid batteries. The family is comprised of the popular sizes found in the lead acid range but with the added benefits of Lithium Iron Phosphate (LiFePO4) technology and is ideally suited to deep cycle longer run time applications.

#### Features & Benefits

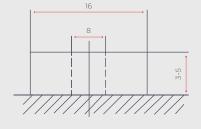
- Large number of cycles >2000 (100% DoD) Up to 8 times cycle life of SLA lowering your total cost of ownership
- Safe and stable chemistry & Integrated BMS The use of LiFePO4 along with the integrated BMS ensures protection against over charge / discharge, temperature and short circuit providing the highest degree of safety
- Greater capacity utilisation 60% more than SLA Gives longer runtime than equivalent SLA
- High energy density (less than half of the weight of SLA) Lowering total weight of application
- Fast recharge Battery is charged and ready to be used sooner
- Flat Discharge Curve Longer run time & more efficient use of capacity
- Extremely low self-discharge rate Can sit unused for longer periods of time
- UL1642 at cell level

In order to use
the Bluetooth
functionality, please
download our
INVICTA App today.



Nominal Voltage38.4∨Nominal Capacity (25°C, 0.33C)100AhTerminalM8Length (mm)520 ± 2mmWidth (mm)269 ± 2mmHeight (mm)200 ± 2mmWeight37.7kgMax Charge Voltage43.8 ± 0.1∨Standby41.4 ± 0.1∨Cut off Voltage33.6∨Max. Discharge Current100AMax. Pulse Discharge Current (3 see)400AMax. Charge Current100AMax. Charge Current100AMax. Charge Current2000Max. Charge Current0.400AGoperating Temp - Charge0.45°COperating Temp - Discharge100AMax. Series / Parallel Configuration4PBluetooth ConnectivityYes		
TerminalM8Length (mm)520 ± 2mmWidth (mm)269 ± 2mmHeight (mm)220 ± 2mmWeight37.7kgMax Charge Voltage43.8 ± 0.1∨Standby41.4 ± 0.1∨Cut off Voltage33.6∨Max. Discharge Current100ARecommended Current Discharge≤50AMax. Charge Current100AMax. Charge Current100AMax. Charge Current200Operating Temp - Charge<50ACurceit Release.200 0Max. Series / Parallel Configuration4P	Nominal Voltage	38.4V
Length (mm)520 ± 2mmWidth (mm)269 ± 2mmHeight (mm)220 ± 2mmWeight37.7kgMax Charge Voltage43.8 ± 0.1VStandby41.4 ± 0.1VCut off Voltage33.6VMax. Discharge Current100ARecommended Current Discharge400AMax. Charge Current100AMax. Charge Current100AMax. Charge Current30.0VMax. Charge Current200Operating Temp - Charge≤50ACoperating Temp - Discharge-20 - 60°CShort Circuit ReleaseLoad ReleaseMax. Series / Parallel Configuration4P	Nominal Capacity (25°C, 0.33C)	100Ah
Width (mm)269 ± 2mmHeight (mm)220 ± 2mmWeight37.7kgMax Charge Voltage43.8 ± 0.1VStandby41.4 ± 0.1VCut off Voltage33.6VMax. Discharge Current100ARecommended Current Discharge<50A	Terminal	M8
Height (mm)220 ± 2mmWeight37.7kgMax Charge Voltage43.8 ± 0.1∨Standby41.4 ± 0.1∨Cut off Voltage33.6∨Max. Discharge Current100ARecommended Current Discharge≤50AMax. Pulse Discharge Current (3 Sec)400AMax. Charge Current100ARecommended Current Charge≤50ACycle Life (100% DoD)≥2000Operating Temp - Charge-20 - 60°CShort Circuit ReleaseLoad ReleaseMax. Series / Parallel Configuration4P	Length (mm)	520 ± 2mm
Weight37.7kgMax Charge Voltage43.8 ± 0.1∨Standby41.4 ± 0.1∨Cut off Voltage33.6∨Max. Discharge Current100ARecommended Current Discharge≤50AMax. Pulse Discharge Current (3 sec)400AMax. Charge Current100ARecommended Current Charge≤50ACycle Life (100% DoD)≥2000Operating Temp - Charge0 - 45°COperating Temp - DischargeLoad ReleaseMax. Series / Parallel Configuration4P	Width (mm)	269 ± 2mm
Max Charge Voltage43.8 ± 0.1∨Standby41.4 ± 0.1∨Cut off Voltage33.6∨Max. Discharge Current100ARecommended Current Discharge≤50AMax. Pulse Discharge Current (3 Sec)400AMax. Charge Current100ARecommended Current Charge≤50AQue Life (100% DoD)≥2000Operating Temp - Charge0 - 45°COperating Temp - Discharge-20 - 60°CShort Circuit ReleaseLoad ReleaseMax. Series / Parallel Configuration4P	Height (mm)	220 ± 2mm
Standby41.4 ± 0.1∨Cut off Voltage33.6∨Max. Discharge Current100ARecommended Current Discharge≤50AMax. Pulse Discharge Current (3 sec)400AMax. Charge Current100AMax. Charge Current100ACycle Life (100% DoD)≥2000Operating Temp - Charge0 - 45°COperating Temp - Discharge-20 - 60°CShort Circuit ReleaseLoad ReleaseMax. Series / Parallel Configuration4P	Weight	37.7kg
Cut off Voltage33.6VMax. Discharge Current100ARecommended Current Discharge≤50AMax. Pulse Discharge Current (3 Sec)400AMax. Charge Current100AMax. Charge Current Charge≤50ACycle Life (100% DoD)≥2000Operating Temp - Charge0 - 45°COperating Temp - Discharge-20 - 60°CShort Circuit ReleaseLoad ReleaseMax. Series / Parallel Configuration4P	Max Charge Voltage	43.8 ± 0.1V
Max. Discharge Current100ARecommended Current Discharge≤50AMax. Pulse Discharge Current (3 Sec)400AMax. Charge Current100ARecommended Current Charge≤50ACycle Life (100% DoD)≥2000Operating Temp - Charge0 - 45°COperating Temp - Discharge-20 - 60°CShort Circuit ReleaseLoad ReleaseMax. Series / Parallel Configuration4P	Standby	41.4 ± 0.1V
Recommended Current Discharge       ≤_50A         Max. Pulse Discharge Current (3 Sec)       400A         Max. Charge Current       100A         Max. Charge Current       100A         Recommended Current Charge       ≤_50A         Cycle Life (100% DoD)       ≥2000         Operating Temp - Charge       0 - 45°C         Operating Temp - Discharge       -20 - 60°C         Short Circuit Release       Load Release         Max. Series / Parallel Configuration       4P	Cut off Voltage	33.6V
Max. Pulse Discharge Current (3 Sec)       400A         Max. Charge Current       100A         Recommended Current Charge       ≤50A         Cycle Life (100% DoD)       ≥2000         Operating Temp - Charge       0 - 45°C         Operating Temp - Discharge       -20 - 60°C         Short Circuit Release       Load Release         Max. Series / Parallel Configuration       4P	Max. Discharge Current	100A
Max. Charge Current       100A         Recommended Current Charge       ≤50A         Cycle Life (100% DoD)       ≥2000         Operating Temp - Charge       0 - 45°C         Operating Temp - Discharge       -20 - 60°C         Short Circuit Release       Load Release         Max. Series / Parallel Configuration       4P	Recommended Current Discharge	<u>&lt;</u> 50A
Recommended Current Charge       ≤50A         Cycle Life (100% DoD)       ≥2000         Operating Temp - Charge       0 - 45°C         Operating Temp - Discharge       -20 - 60°C         Short Circuit Release       Load Release         Max. Series / Parallel Configuration       4P	Max. Pulse Discharge Current (3 Sec)	400A
Cycle Life (100% DoD)     ≥2000       Operating Temp - Charge     0 - 45°C       Operating Temp - Discharge     -20 - 60°C       Short Circuit Release     Load Release       Max. Series / Parallel Configuration     4P	Max. Charge Current	100A
Operating Temp - Charge     0 - 45°C       Operating Temp - Discharge     -20 - 60°C       Short Circuit Release     Load Release       Max. Series / Parallel Configuration     4P	Recommended Current Charge	<u>&lt;</u> 50A
Operating Temp - Discharge     -20 - 60°C       Short Circuit Release     Load Release       Max. Series / Parallel Configuration     4P	Cycle Life (100% DoD)	<u>&gt;</u> 2000
Short Circuit Release     Load Release       Max. Series / Parallel Configuration     4P	Operating Temp - Charge	0 - 45°C
Max. Series / Parallel Configuration     4P	Operating Temp - Discharge	-20 - 60°C
	Short Circuit Release	Load Release
Bluetooth Connectivity Yes	Max. Series / Parallel Configuration	4P
	Bluetooth Connectivity	Yes

Terminal M8 Insert



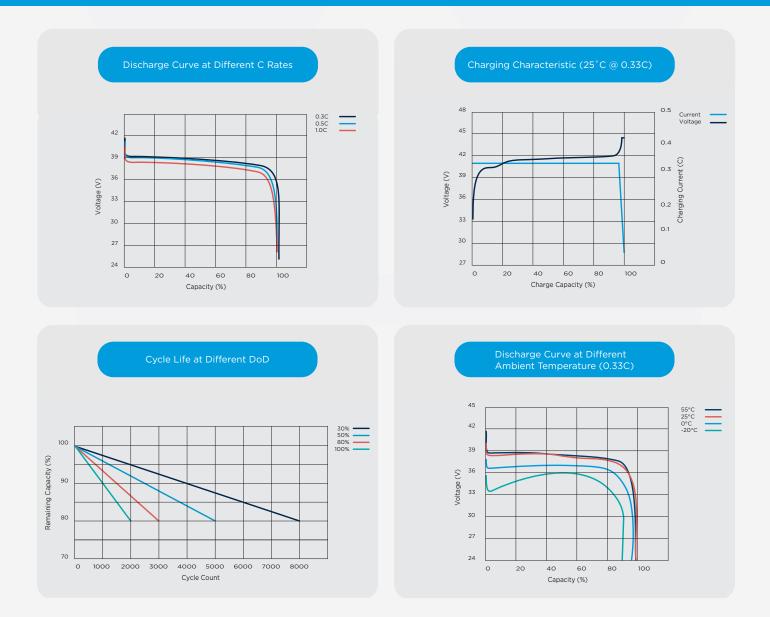


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# **CONTRACTA LITHIUM** BATTERIES

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## For more information or pricing please contact the team at SPB on 1300 001 772 or sales@spb.net.au



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