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

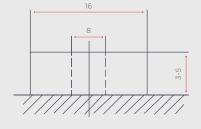
- Large number of cycles >2000 (100% DoD) Up to 8 times cycle life of SLA lowering your total cost of ownership
- Safe and stable chemistry & Integrated BMS The use of LiFePO4 along with the integrated BMS ensures protection against over charge / discharge, temperature and short circuit providing the 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><</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><</u> 50A |
| Operating Temp - Discharge -20 - 60°C Short Circuit Release Load Release Max. Series / Parallel Configuration 4P | Cycle Life (100% DoD) | <u>></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



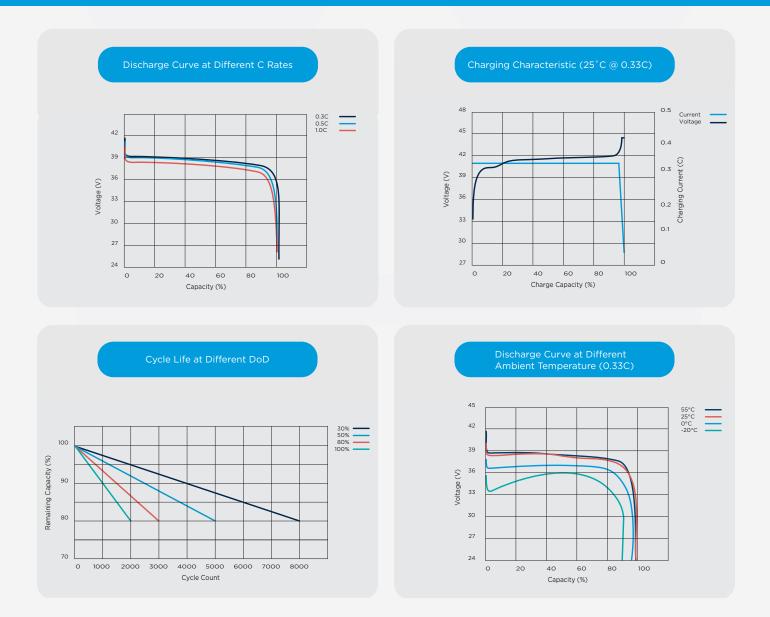


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CONTRACTA LITHIUM BATTERIES

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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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