LENTO
House of Green Energy

# SINE WAVE INVERTER

## Li-ion Series

# Lithium

## BATTERY INVERTER




## SALIENT FEATURES

- ECO Friendly
- Dynamic control algorithm based BMS ensure safety of Lithium Battery
- Elegant & Compact Design
- Light weight so wall mountable
- Long Life of Battery 10 years*
- Fast Charging
- Maintenance Free
- Inbuilt LiFepo4 Battery inside
- Resettable CKT Breaker
- Grid Charging Enable/Disable

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Lithium
BATTERY INVERTER

# Sine Wave Inverter with Inbuilt Lithium Battery Specification

| S.No. | Parameter | Unit | Rating |
|---|---|---|---|
| | **Model Name** | | **2100/24V** |
| 1 | System Rating | VA | 2100 |
| 2 | Full Load Input Current ±2A | Amp | 65 |
| 3 | Operating DC Voltage | V | 25.6 |
| 4 | Battery | V | 25.6V 100AH LifePo4 |
| 5 | Capacity | | 2.56kWH |
| 6 | Backup Time @400W Load | Hr | 6 Hr 30 Min ± 15 Min |
| 7 | Backup Time @ 100% Load | Hr | 1 Hr 40 min ±10 Min |
| 8 | Battery Life | Yr | 10 year |
| 9 | Nominal Output voltage in inverter mode | Vac | 220V ± 7V |
| 10 | Output Supply Phases | | Single |
| 11 | Nominal Output Frequency of Inverter | Hz | 50 ± 1 |
| 12 | Output Voltage Regulation 11.5-14.0V | % | 180-220 |
| 13 | Creast Factor | | 3:01 |
| 14 | Overload Capacity 125% | Sec | 13 (6 Retry) |
| 15 | Overload Capacity 150% | Sec | 7 (6 Retry) |
| 16 | Battery Low Voltage alarm per Battery | Vdc | 11.5V ± 0.2 |
| 17 | Battery Low Voltage cut per Battery | Vdc | 11.0V ± 0.2 |
| 18 | Max Battery Charging Voltage by grid per Battery | Vdc | 14.0/28.0 ± 0.2 |
| 19 | Max Battery Charging Current by grid in Hi/Lo option | Adc | 16A ±2A /12±2A |
| 20 | Battery High Cut with Alarm per Battery | Vdc | 15.5 ± 0.2 |
| 21 | Battery High Cut Recovery per Battery | Vdc | 14.5 ± 0.2 |
| 22 | Grid Low Cut Voltage (IT load/Normal load) | Vac | 180/100 ± 10 |
| 23 | Grid Low Cut Voltage recovery (IT load/Normal load) | Vac | 190/110 ± 10 |
| 24 | Grid High Cut Voltage (IT load/Normal load) | Vac | 265/280 ± 10 |
| 25 | Grid High Cut Voltage Recovery (IT load/Normal load) | | 255/270 ± 10 |
| 26 | Grid charging Enable/Disable | Vac | Yes |
| 27 | Selection of UPS Load/Normal Load | | Yes |
| 28 | Selection of Operating Mode | | HC-Charging current = 20/30±1A Solar + Mains till battery boost voltage with maximum Solar Sharing. System will not be disconnect Grid in any case<br>EC-Charging current= 20/30±1A Solar + Mains till boost voltage, System will cut off the mains when battery voltage reaches boost voltage level and output load is transferred to Solar + Battery and Grid reconnected <=12.0V per Battery.<br>SC-Charging current= 20/30±1A Solar + Mains till boost voltage, System will cut off the mains when battery voltage reaches boost voltage level and output load is transferred to Solar + Battery and Grid reconnected <=12.0V per Battery. |
| 29 | Output Voltage at No load at rated Battery Voltage | Vac | 220 ± 2 |
| 30 | Input current at no load at Nominal Battery Voltage | Adc | 2.4 ± 0.2 |
| 31 | Noise @ 1 meter | dB | <50 |
| 32 | Protections | | Overload, Battery Deep Discharge, Battery Overcharge, Short circuit(1retry), Battery Hi, PV Reverse, Over Temp, Fuse Trip, Battery reverse |
| 33 | LCD Display Parameters | | PV Current, Battery Voltage, Mains Voltage, UPS ON/OFF, UPS Mode, Solar Available, Load percentage (0 to 150%), Over Load, Short ckt, Fault, Battery Low, Over Temp, PV Reverse, Fuse Trip, |
| 34 | Indication LEDs | | Tact Switch Status |
| 35 | Operating Temperature Range | °C | 0-50 |
| 36 | Storage Temperature Range | °C | 0 +65 |
| 37 | Max RH | % | 95 |
| 38 | Front Panel details ( MCB, Display, Selection Switch etc) | | Display with Tact Switch |
| 39 | Changeover time from Inverter to Mains in UPS mode | ms | <10 |
| 40 | Changeover time from Inverter to Mains in Normal mode | ms | <10 |
| 41 | Changeover time from Mains to Inverter in UPS mode | ms | <10 |
| 42 | Changeover time from Mains to Inverter in Normal Mode | ms | <40 |
| 43 | Input Protection | | Resettable Circuit breaker |
| 44 | Installation Type | | Wall Mount |



BATTERY LIFE FAST CHARGING


COMPACT SIZE & LESS WEIGHT


MAINTENANCE FREE


FAST CHARGING


HIGHER BACK UP


LONGER LIFE

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