

MADE IN INDIA



Li+UPS CATALOGUE



25A Super
Fast Charging



Built in BMS
Automatic Low & High
Battery Cut-out



Long Cycle Life
 $\geq 5000@80\%$ cycle life
under normal operating conditions



Protection 24x7
Over Load & Short
Circuit



Maintenance Free
No Acid Spills or
Fumes

About US

Invertek Energy is one of the leading power backup company. The company's top-notch products are enabled to become India's most strong brand. With its ability to create dependable products with the newest technology integrated that are well accepted and valued by household consumers and the industrial sector around the world. Invertek Energy provides a comprehensive range of power backup solutions, Solar, Lithium UPS & Batteries.

Advanced Feature



FAST CHARGING
Battery Charging in 4:30 mins.



POWERFUL CHARGING
EVEN DURING VERY LOW VOLTAGE



BUILT-IN ISOLATION TRANSFORMER



LONG CYCLE LIFE
≥5000 cycle life under normal operating conditions



BUILT IN BMS
Automatic Low & High Battery Cut-out



MAINTENANCE FREE
No Acid Spills or Fumes



INSTANT CHANGEOVER TIME



LCD DISPLAY
16X2



AUTOMATIC BYPASS



24X7 MCB PROTECTION
Over-load & Short Circuit



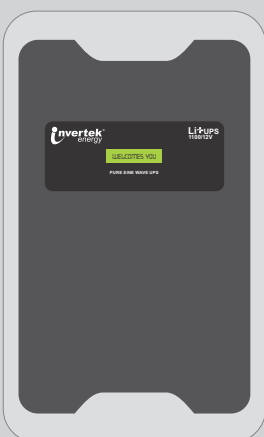
CREST FACTOR



GENERATOR COMPATIBLE

Wall Mounted

1100/12V



UPS Features

- DSP Pure Sine Wave Technology Using Heavy Duty Mosfet
- LCD Display (16 X 2)
- Built In Galvanic Isolation Transformer
- Automatic Bypass
- Protection 24x7 : Over-load, Short Circuit, Over-temperature, Deep-discharge, Over-charge & Over-current Protection.

Battery Features

- RATED VOLTAGE (V) - **12.8V**
- RATED CAPACITY (AH) - **100Ah**
- NO. OF CELLS IN SERIES & PARALLEL CONNECTION - **4S1P**
- RATED ENERGY (kWh) - **1.2 kWh**
- CHARGE AND DISCHARGE CUT-OFF VOLTAGE (V) - **11.8-13.8V**
- CHARGING MODE - **CC-CV**
- ALLOWED DEPTH OF DISCHARGE - **80%**
- CHARGING/DISCHARGING RATE - **1C**

- **MODEL** : Li+UPS 1100/12V
- **RATING** : 1050VA/12V
- **BULB LOAD in WATT $\pm 1\%$** : 840 WATT
- **CHARGING CURRENT** : 25A

Floor Mounted

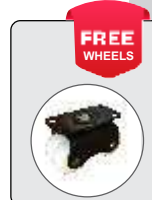
2000/24V

UPS Features

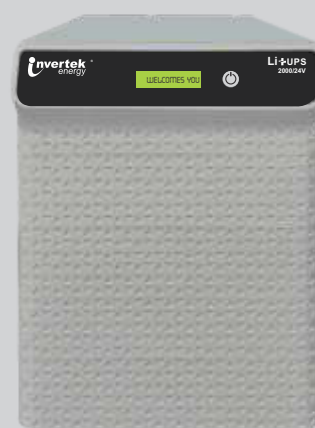
- DSP Pure Sine Wave Technology Using Heavy Duty Mosfet
- LCD Display (16 X 2)
- Built In Galvanic Isolation Transformer
- Automatic Bypass
- Protection 24x7 : Over-load, Short Circuit, Over-temperature, Deep-discharge, Over-charge & Over-current Protection.

Battery Features

- RATED VOLTAGE (V) - **25.6V**
- RATED CAPACITY (AH) - **100Ah**
- NO. OF CELLS IN SERIES & PARALLEL CONNECTION - **8S1P**
- RATED ENERGY (kWh) - **2.56kWh**
- CHARGE AND DISCHARGE CUT-OFF VOLTAGE (V) - **23.6-27.6V**
- CHARGING MODE - **CC-CV**
- ALLOWED DEPTH OF DISCHARGE - **80%**
- CHARGING/DISCHARGING RATE - **1C**

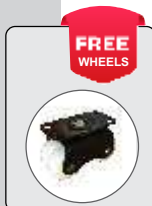


**FREE
WHEELS**



- **MODEL** : Li+UPS 2000/24V
- **RATING** : 2000VA/24V
- **BULB LOAD in WATT $\pm 1\%$** : 1600 WATT
- **CHARGING CURRENT** : 25A

2500/24V



**FREE
WHEELS**

UPS Features

- DSP Pure Sine Wave Technology Using Heavy Duty Mosfet
- LCD Display (16 X 2)
- Built In Galvanic Isolation Transformer
- Automatic Bypass
- Protection 24x7 : Over-load, Short Circuit, Over-temperature, Deep-discharge, Over-charge & Over-current Protection.

Battery Features

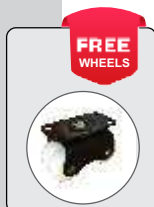
- RATED VOLTAGE (V) - **25.6V**
- RATED CAPACITY (AH) - **100Ah**
- NO. OF CELLS IN SERIES & PARALLEL CONNECTION - **8S1P**
- RATED ENERGY (kWh) - **2.56kWh**
- CHARGE AND DISCHARGE CUT-OFF VOLTAGE (V) - **23.6-27.6V**
- CHARGING MODE - **CC-CV**
- ALLOWED DEPTH OF DISCHARGE - **80%**
- CHARGING/DISCHARGING RATE - **1C**

- **MODEL** : Li+UPS 2500/24V
- **RATING** : 2500VA/24V
- **BULB LOAD in WATT $\pm 1\%$** : 2000 WATT
- **CHARGING CURRENT** : 25A

Floor Mounted



MODEL : Li+UPS 3500/24V
RATING : 3150VA/24V
BULB LOAD in WATT $\pm 1\%$: 2500 WATT
CHARGING CURRENT : 25A



3500/24V

UPS Features

- DSP Pure Sine Wave Technology Using Heavy Duty Mosfet
- LCD Display (16 X 2)
- Built In Galvanic Isolation Transformer
- Automatic Bypass
- Protection 24x7 : Over-load, Short Circuit, Over-temperature, Deep-discharge, Over-charge & Over-current Protection.

Battery Features

- RATED VOLTAGE (V) - **25.6V**
- RATED CAPACITY (AH) - **100Ah**
- NO. OF CELLS IN SERIES & PARALLEL CONNECTION - **8S1P**
- RATED ENERGY (kWh) - **2.56kWh**
- CHARGE AND DISCHARGE CUT-OFF VOLTAGE (V) - **23.6~27.6V**
- CHARGING MODE - **CC-CV**
- ALLOWED DEPTH OF DISCHARGE - **80%**
- CHARGING/DISCHARGING RATE - **1C**

Floor Mounted

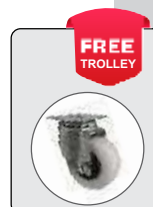
5000/48V

UPS Features

- DSP Pure Sine Wave Technology Using Heavy Duty Mosfet
- LCD Display (16 X 2)
- Built In Galvanic Isolation Transformer
- Automatic Bypass
- Protection 24x7 : Over-load, Short Circuit, Over-temperature, Deep-discharge, Over-charge & Over-current Protection.

Battery Features

- RATED VOLTAGE (V) - **51.2V**
- RATED CAPACITY (AH) - **100Ah**
- NO. OF CELLS IN SERIES & PARALLEL CONNECTION - **16S1P**
- RATED ENERGY (kWh) - **5.12 kWh**
- CHARGE AND DISCHARGE CUT-OFF VOLTAGE (V) - **44.25~51.75V**
- CHARGING MODE - **CC-CV**
- ALLOWED DEPTH OF DISCHARGE - **80%**
- CHARGING/DISCHARGING RATE - **1C**



- **MODEL :** Li+UPS 5000/48V
- **RATING :** 5kVA/48V
- **BULB LOAD in WATT $\pm 1\%$:** 4000 WATT
- **CHARGING CURRENT :** 25A

Rack Mounted

7500/48V

UPS Features

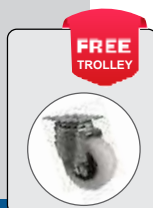
- DSP Pure Sine Wave Technology Using Heavy Duty Mosfet
- LCD Display (16 X 2)
- Built In Galvanic Isolation Transformer
- Automatic Bypass
- Protection 24x7 : Over-load, Short Circuit, Over-temperature, Deep-discharge, Over-charge & Over-current Protection.

Battery Features

- RATED VOLTAGE (V) - **51.2V**
- RATED CAPACITY (AH) - **100Ah x 2**
- NO. OF CELLS IN SERIES & PARALLEL CONNECTION - **16S1P**
- RATED ENERGY (kWh) - **5.12kW**
- CHARGE AND DISCHARGE CUT-OFF VOLTAGE (V) - **44.25~51.75V**
- CHARGING MODE - **CC-CV**
- ALLOWED DEPTH OF DISCHARGE - **80%**
- CHARGING/DISCHARGING RATE - **1C**

Rack Mounted

MODEL : Li+UPS 7500/48V
RATING : 6750VA/48V
BULB LOAD in WATT $\pm 2\%$: 5400 WATT
CHARGING CURRENT : 25A



MODEL	1100	2000	2500	3500	5000	7500
DC BUS	12V	24V			48V	
VA RATING	1050VA	2000VA	2500VA	3150VA	5KVA	6.75KVA
WATTAGE	840W	1600W	2000W	2500W	4000W	5400W
NO LOAD CURRENT	< 1.2 A					
OUTPUT VOLTAGE @ NO LOAD	< 240VAC @12.0 VDC	< 240VAC @24.0 VDC			< 240VAC @48.0 VDC	
BATTERY LOW ALARM	11.8 +/- 0.2V	23.6 +/- 0.4V			47.2 +/- 0.8V	
BATTERY LOW SHUTDOWN	11.6 +/- 0.2V	23.2 +/- 0.4V			46.4 +/- 0.8V	
SHORT CIRCUIT PROTECTION	YES					
INVERTER OUTPUT FREQUENCY	50 HZ +/- 0.1 Hz					
PARAMETERS UPS MODE						
MAINS INPUT VOLATGE RANGE	170V TO 265 V					
MAINS AC LOW CUT	170VAC +/- 10VAC					
MAINS AC LOW CUT RECOVERY	180VAC +/- 10VAC					
MAINS AC HIGH CUT	265VAC +/- 10VAC					
MAINS AC HIGH CUT RECOVERY	255VAC +/- 10VAC					
MAXIMUM CHANGE OVER TIME	< 8 msec					
PARAMETERS WIDE UPS MODE						
MAINS INPUT VOLTAGE RANGE	90V TO 290 V					
MAINS AC LOW CUT	90VAC +/- 10VAC					
MAINS AC LOW CUT RECOVERY	110VAC +/- 10VAC					
MAINS AC HIGH CUT	290VAC +/- 10VAC					
MAINS AC HIGH CUT RECOVERY	280VAC +/- 10VAC					
MAXIMUM CHANGE OVER TIME	< 18 msec					
PARAMETERS CHARGING MODE						
CHARGING CURRENT@220V AC	25 Amp					
BOOST VOLTAGE (LITHIUM)	13.8V +/- 0.2V	27.6V +/- 0.4V			55.2V +/- 0.8V	
SHORT CIRCUIT	YES					
PROTECTIONS						
BATTERY LOW CUT OFF	1 TIME					
OVERLOAD (AUTO RETRIES)	4 TIME					
SHORT CIRCUIT (AUTO RETRIES)	3 TIME					
OVER TEMPERATURE	3 TIME					
BATTERY OVER CHARGE	YES					
INPUT PROTECTION	YES (MAINS MCB TRIP INCASE OF SHORT CIRCUIT IN MAINS MODE)					
ENVIRONMENT						
STORAGE TEMPERATURE	0 TO + 40 C					
OPERATING TEMPERATURE	0 TO + 40 C					
HUMIDITY	0-95% NON-CONDENSNG					
ACOUSTIC NOISE (at 1 mts)	< 45dB from 1 METER					

Universal Battery - LiFePO4

It's Universal Battery can Charged with any Normal Inverter



General Characteristics

Model	IE12VUB1280	IE24VUB2560	IE48VUB5120
Rated voltage (V)	12.8V	25.6V	51.2V
Rated capacity (Ah)	100Ah	100Ah	100Ah
No. of cells in series & parallel connection	4S1P	8S1P	16S1P
Rated energy (Wh)	1280	2560	5120
Total no. of cells	4	8	16

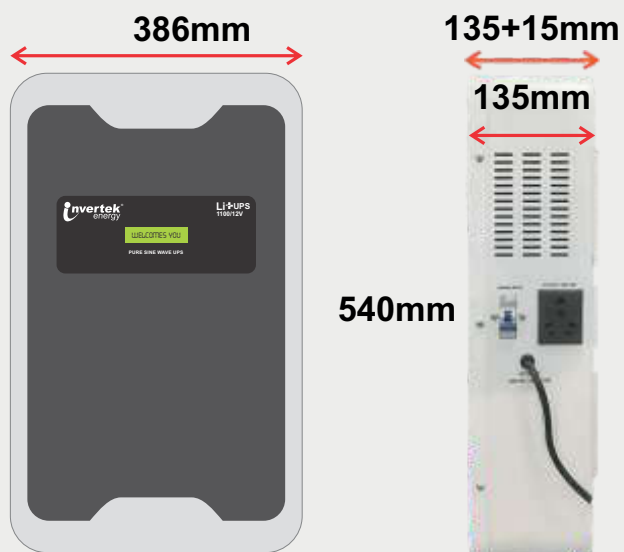
Electrical Characteristics

Charge and discharge cut-off voltage (V)	11.8V~13.8V	23.6V~27.6V	44.25V~51.75V
Charging mode	CC-CV	CC-CV	CC-CV
Standard charging current (A)	25Amp	25Amp	25Amp
Allowed Depth of Discharge	80%		
Cycle Life [80%DOD, 250C, @ CHARGING/DISCHARGING RATE - 1C]	≥5000@80%		

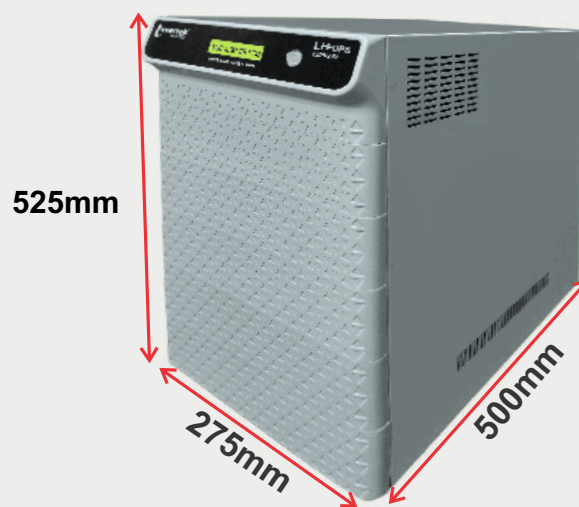
Note: Inverter settings should be configured according to the specified parameters to ensure optimal backup performance."

*Specifications are subject to change without any prior notice

1100/12V



2000/24V, 2500/24V, 3500/24V



5000/48V



Model	Net. Weight	Gross weight
1100/12V	24kg	26kg
2000/24V	44kg	46kg
2500/24V	48kg	50kg
3500/24V	50kg	52kg
5000/48V	95.5kg	98kg

GLOBAL PRESENCE



Manufactured By:
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