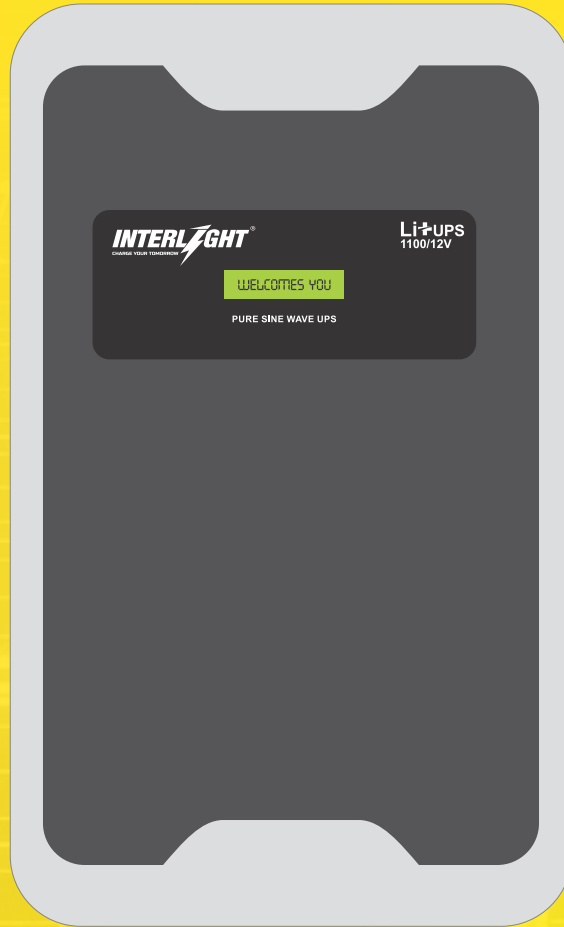


INTERLIGHT[®]

CHARGE YOUR TOMORROW



WALL MOUNTED UPS

Inbuilt Lithium-ion Battery

Li+UPS 1100/12V

CHARGE
YOUR
TOMORROW

INTERLIGHT[®]



Fast Charging
Battery Charging in 4:30 mins.



Built in BMS
Automatic Low & High
Battery Cut-out



Long Cycle Life
5000 cycle life under
normal operating
conditions Cycle Life



Maintenance Free
No Acid Spills or Fumes



Protection 24x7
Over-load & Short Circuit

Note: Color of the product may vary from the original color in this document.

This catalogue is issued to provide outline information only and is not deemed to form part of an offer or contract. Our policy is one of continued improvement and we reserve the right to change details without prior notice.

Li+UPS 1100/12V

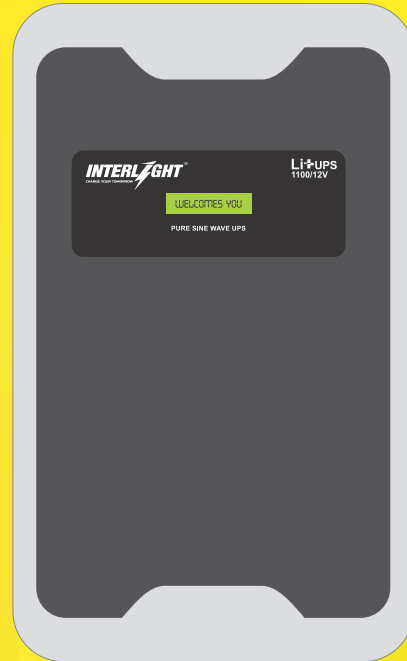
WALL MOUNTED UPS
Inbuilt Lithium-ion Battery

UPS Features

- DSP Pure Sine Wave Technology Using Heavy Duty Mosfet
- LCD Display (16 X 2)
- Built In Galvanic Isolation Transformer
- Automatic Bypass
- Charging Current 25 Amp
- Generator Compatible

Battery Features

- RATED VOLTAGE (V) - **12.8**
- RATED CAPACITY (AH) - **100Ah**
- NO. OF CELLS IN SERIES & PARALLEL CONNECTION - **4S1P**
- RATED ENERGY (Wh) - **1280**
- CHARGE AND DISCHARGE CUT-OFF VOLTAGE (V) - **11.8~13.8V**
- CHARGING MODE - **CC-CV**
- STANDARD DISCHARGING CURRENT (A) - **65**
- ALLOWED DEPTH OF DISCHARGE - **80%**



Backup Chart

Load	200Watt.	400Watt.	600Watt.	800Watt.
Time	7:00hrs.	3:15hrs.	2:10hrs.	1:35hrs.

- **MODEL** : Li+UPS 1100/12V
- **RATING** : 1000VA/12V
- **BULB LOAD in WATT ±5%** : 800 WATT
- **CHARGING CURRENT** : 25A
- **BATTERY CHARGING TIME** : 4:30 mins.

MODEL	1100
DC BUS	12V
NO LOAD CURRENT	< 1.2 A
OUTPUT VOLTAGE @ NO LOAD	< 240VAC @12.0 VDC
BATTERY LOW ALARM	10.7 +/- 0.2V
BATTERY LOW SHUTDOWN	10.5 +/- 0.2V
SHORT CIRCUIT PROTECTION	YES
INVERTER OUTPUT FREQUENCY	50 HZ +/- 0
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 VOLATGE 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 VOLATGE (TUBULAR MODE)	14.4V +/- 0.2V
BOOST VOLATGE (LEAD ACID MODE)	14.0V +/- 0.2V
FLOAT VOLTAGE	13.6V +/- 0.2V
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
PROTECTION GLASS	IP-20

LiFePo4 Battery Specification

General Characteristics	
Model	IE12VUB1280
Rated voltage (V)	12.8V
Rated capacity (Ah)	100Ah
No. of cells in series & parallel connection	4S1P
Rated energy (Wh)	1280
Total no. of cells	4
Electrical Characteristics	
Charge and discharge cut-off voltage (V)	11.8V~13.8V
Charging mode	CC-CV
Standard charging current(A)	25Amp
Standard discharging current (A)	65
Allowed Depth of Discharge	80%
Mechanical Characteristics	
Battery Dimension LxHxW (mm)	200x295x200
Miscellaneous	
Cycle Life [80%DOD, 25°C, @0.5°C Charge and 0.5°C discharge]	5000 Cycles
Protection Class	IP 20

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