

**NUMERIC**<sup>®</sup>

A Group brand | **legrand**<sup>®</sup>

THE DEPENDABLE POWER SOLUTION  
BACKED BY INDIA'S WIDEST  
SERVICE NETWORK

## **VALURA IBB**

1 - 3 kVA  
Single Phase UPS



**NEW ENERGY  
TO POWER**

[www.numericups.com](http://www.numericups.com)

Valura UPS is a true double-conversion online single-phase UPS in the 1-3 kVA range with a built-in battery option. It is a dependable power backup solution for even the most demanding environments, with a power factor of >0.9, <10% THDi, and Constant Current & Constant Voltage Charger. Valura is PEP certified and is suitable for a wide range of critical industry equipment, including workstations, ATMs, cash recyclers, POS systems, security surveillance equipment, and network accessories.



## FEATURES

- Power factor >0.9
- Generator compatibility
- Battery mode start-up
- Quick charging
- Auto restart facility
- Flame retardant cabinet
- ECO mode
- Constant Current & Constant Voltage Charger
- Upto 40°C operating temperature
- In-built battery option

## SEGMENTS



Residential & SOHO



Commercial



Healthcare



Infrastructure

## WHY NUMERIC

**35+**  
YEARS OF EXPERTISE

WIDEST  
SERVICE NETWORK  
**250+**  
DIRECT SERVICE CENTRES

PRODUCT RANGE FROM  
**600VA TO**  
**21MW**

**1** MILLION+  
**UPS**  
ACTIVE  
INSTALLATION BASE

**1800+**  
EMPLOYEES

**2** WORLD  
CLASS  
MANUFACTURING UNITS

TOP **3** UPS  
COMPANIES  
IN INDIA

UNDISPUTED  
LEADER\* IN **30**  
LI & 1P FOR CONSECUTIVE  
YEARS

## TECHNICAL SPECIFICATIONS FOR FM & FMI MODEL

PARAMETERS	1 KVA	2 KVA	3 KVA
Topology	True On-line Double Conversion UPS		
Output Power Capacity	800 W	1600 W	2400 W
<b>INPUT</b>			
Phase	Single Phase		
Voltage Range*	FM - 110 ~ 280 VAC / FMI - 120 ~ 280 VAC		
Power Factor	0.99 @ nominal input voltage		
Current THD	<10%		
Battery	36 V	72 V/96 V	
Battery Charging	Constant Current & Constant Voltage Charger		
<b>OUTPUT</b>			
Nominal Output Voltage	220/230/240 VAC ± 1%		
Frequency	50 Hz ± 0.1 Hz		
Frequency Synchronisation	47.5 to 52.5 Hz		
THDv	<3% Linear Load, <5% Non Linear Load @ On-line mode		
<b>EFFICIENCY</b>			
AC/AC (Overall efficiency) - FM	>87%		
AC/AC (Overall efficiency) - FMI	>78%	>83%	
DC/AC (Inverter efficiency)	>85%		
ECO Mode	Up to 97%		
<b>OVERLOAD CAPACITY</b>			
105-110%	10 min		
111-130%	2 min		
131-150%	30 sec		
Communication	RS 232/USB/SNMP/MODBUS/Dry Contacts		
Operating Temp	0 - 40° C (With full Load)		
	41 - 50° C (Derated to 80%)		
<b>ELECTRICAL</b>			
Input Terminal Type	IEC Inlet		Terminal Block
Output Terminal	FM: 3xIndia type 6 Amps (1KL)	4xIndia type 6 Amps (2KL) - FM & FMI UPS	4xIndia type 6 Amps+TB (3KL) - FM & FMI UPS
dasfdas	FMI: 4xIndia type 6 Amps (1KL)		
Noise Level	<50 dBA		
<b>FEATURES</b>			
CVCF	Available		
Bypass	Available		
Display	LCD - Iconic		
<b>MECHANICAL</b>			
Ingress Protection (IP)	IP 20		
<b>STANDARDS</b>			
EMC	EN 62040 - 2		
Safety	EN 62040 - 1, IS 16242 - Part1		
Performance	IEC 62040 - 3		
Dimension for FM (D x W x H) in mm**	282 x 145 x 225	405 x 145 x 236	
Dimension for FMI (D x W x H) in mm**	426 x 190 x 336	426 x 190 x 346	
Net Weight in KG (FM/FMI)	4.9 / 15.3	7.9 / 21.6	8.3 / 24.3

\*FM - Floor Mount UPS/FMI - Floor Mount UPS with Isolation Transformer. \*\* Accuracy of dimension ± 2 mm.

**Note** : Product specifications are subject to change purely on company's discretion without any prior notice.

## VALURA IBB TECHNICAL SPECIFICATIONS

PARAMETERS		1KVA	2KVA	3 KVA
Topology		True On-line Double Conversion UPS		
Output Power Capacity		800 W	1600 W	2400 W
INPUT				
Phase		Single Phase		
Voltage Range	Low Line Transfer	160VAC/ 140VAC/ 120VAC/ 110VAC ±5% (Ambient Temperature <35°C) (based on load percentage 100% - 80 % / 80 % - 70 % / 70 - 60 % / 60 % - 0)		
	Low Line Comeback	175VAC/ 155VAC/ 135VAC/ 125VAC ± 5 % (Ambient Temperature <35°C) (based on load percentage 100%-80 %/ 80%-70% /70-60%/ 60%-0)		
	High Line Transfer	300 VAC ± 5 %		
	High Line Comeback	290 VAC ± 5 %		
Frequency Range		40Hz ~ 70 Hz		
Power Factor		≥ 0.9 @ nominal voltage (input voltage)		
OUTPUT				
Output Voltage		200/208/220/230/240 VAC		
AC Voltage Regulation		±1% (Battery Mode)		
Frequency Range		47 ~ 53 Hz or 57 ~ 63 Hz (Synchronized Range)		
Frequency Range (Battery Mode)		50 Hz ± 0.25 Hz or 60Hz ± 0.3 Hz		
Overload		Ambient Temperature <35°C 105%-110%: UPS shuts down after 10 minutes in battery mode or transfers to bypass when the utility is normal 110%-130%: UPS shuts down after 1minute in battery mode or transfers to bypass when the utility is normal >130%: UPS shuts down after 3 seconds in battery mode or transfers to bypass when the utility is normal		
Current Crest Ratio		3:1		
Harmonic Distortion		≤ 3 % THD (linear load); ≤ 6 % THD (non-linear load)		
Transfer Time	AC Mode to Battery Mode	Zero		
	Inverter to Bypass	4 ms (Typical)		
Waveform (Battery Mode)		Pure Sinewave		
BATTERY				
Standard Inbuilt Battery Model	Battery Type /Numbers	12V/7AH/9AH /2	12V/7AH /9AH /4	12V/7AH/9AH /6
	Numbers VDC	24VDC	48VDC	72VDC
	Recharge Time	4 hours recover to 90% capacity (Typical)		
	Charging Current	1.0 A (max.)		
	Charging Voltage	27.4 VDC ± 1%	54.7 VDC ±1%	82.1 VDC ±1%
PHYSICAL				
Standard Model	Dimension D X W X H (in mm)	282 X 145 X 220	397 X 145 X 220	421 X 190 X 318
	Net Weight (kgs)	9.8	17	26.2
ENVIRONMENT				
Operation Humidity		20-90 % RH @ 0- 40°C (non-condensing)		
Noise Level		Less than 50dBA @ 1 Meter		
MANAGEMENT				
Smart RS-232 or USB		Supports Windows® 2000/2003/XP/Vista/2008/7/8, Linux, Unix and MAC		
Optional SNMP		Power management from SNMP manager and web browser		

**Note :**

Derate capacity to 80% of capacity in Frequency converter mode or when the output voltage is adjusted to 200/208VAC.  
Product specifications are subject to change without further notice.

## Head Office

10th Floor, Prestige Center Court,  
Office Block, Vijaya Forum Mall, 183,  
N.S.K Salai, Vadapalani,  
Chennai - 600 026.  
Phone: +91 44 4656 5555

## Regional Offices

### New Delhi

B-225, Okhla Industrial Area,  
4th Floor, Phase-1,  
New Delhi - 110 020.  
Phone: +91 11 2699 0028

### Kolkata

Bhakta Tower, Plot No. KB22,  
2nd & 3rd Floor, Salt Lake City,  
Sector - III, Kolkata - 700 098.  
Phone: +91 33 4021 3535 / 3536

### Mumbai

C/203, Corporate Avenue, Atul Projects,  
Near Mirador Hotel, Chakala,  
Andheri Ghatkopar Link Road,  
Andheri (East), Mumbai - 400 099.  
Phone: +91 22 3385 6201

### Chennai

10th Floor, Prestige Center Court,  
Office Block, Vijaya Forum Mall,  
183, N.S.K Salai, Vadapalani,  
Chennai - 600 026.  
Phone: +91 44 3024 7236 / 200

## Branch Offices

### Chandigarh

SCO 4, First Floor, Sector 16,  
Panchkula, Chandigarh - 134 109.  
Phone: +91 93160 06215

### Dehradun

Unit-1 and 2, Chakrata Road,  
Vijay Park Dehradun - 248001.  
Uttarakhand  
Phone: +91 135 661 6111

### Jaipur

Plot No. J-6, Scheme-12B,  
Sharma Colony, Bais Godown,  
Jaipur - 302 019.  
Phone: +91 141 221 9082

### Lucknow

209/B, 2nd Floor, Cyber Heights,  
Vibhuti Khand, Gomti Nagar,  
Lucknow - 226 018.  
Phone: +91 93352 01364

### Bhubaneswar

N-2/72 Ground Floor, IRC Village,  
Nayapally, Bhubaneswar - 751 015.  
Phone: +91 674 255 0760

### Guwahati

House No 02,  
Rajgarh Girls High School Road  
(Behind Rajgarh Girls High School),  
Guwahati - 781 007.  
Phone: +91 361 245 0322/96000 87171

### Patna

405, Fraser Road, Hemplaza,  
4th Floor, Patna - 800 001.  
Phone: +91 612 220 0657

### Ranchi

202 & 203, 2nd Floor, Sunrise Forum,  
Bardwan Compound, Lalpur, 2nd Floor,  
Ranchi - 834 001.  
Phone: +91 98300 62078

### Ahmedabad

A-101/102, Mondeal Heights,  
Beside Hotel Novotel, Near Iscon Circle,  
S G Highway, Ahmedabad - 380 015.  
Phone: +91 79 6134 0555

### Bhopal

Plot No. 2, 221, 2nd Floor, Akansha Complex,  
Zone-1, M.P.Nagar, Bhopal- 462 011.  
Phone: +91 755 276 4202

### Nagpur

Plot.No.174, H.No.4181/C/174, 1st Floor,  
Loksewa Housing Society, Near Dr. Umathe  
& Mokhare College, Bhamti Road,  
Loksewa Nagar, Nagpur - 440 022.  
Phone: +91 712 228 6991 / 228 9668

### Pune

Pinacle 664 park avenue, 8th floor,  
Plot no 102+103, CTS No. 66/4,  
Final, 4, Law College Rd, Erandwane,  
Pune, Maharashtra - 411 004.  
Phone: +91 98225 36680

### Bengaluru

No-58, First Floor, Firoze White Manor,  
Bowring Hospital Road,  
Shivajinagar, Bangalore -560 001.  
Phone: +91 80 6822 0000

### Coimbatore

No. B-15, Thirumalai Towers, No. 723,  
1st Floor, Avinashi Road, Coimbatore - 641 018.  
Phone: +91 422 420 4018

### Hyderabad

Prestige Phoenix Building,  
1st Floor, Survey no. 199,  
No. 6-3-1219/J/101 & 102, Uma Nagar,  
Opposite to Begumpet Metro Station  
Begumpet 500016  
Phone: +91 40 4567 1717/2341 4398/2341 4367


### Kochi

Door No. 50/1107A9, JB Manjooran Estate,  
3rd Floor, Bypass Junction,  
Edappally, Kochi - 682 024.  
Phone: +91 484 6604 710

### Madurai

12/2, DSP Nagar,  
Dinamalar Avenue,  
Madurai - 625 016.  
Phone: +91 452 260 4555

# NUMERIC®

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