

NUMERIC[®]

A Group brand | **legrand**[®]



#CompactImpact

**NEW ENERGY
TO POWER**



ONFINITI⁺

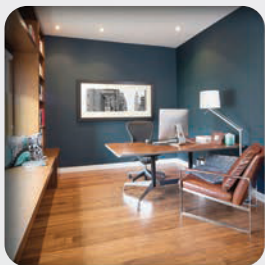
1 - 10 kVA
Single Phase UPS

www.numericups.com

FEATURES

- Compact footprint
- Intuitive LCD display
- Wide input voltage range
- Efficiency Up to 94%
- Inbuilt galvanic isolation transformer (optional)
- Solar & generator compatible

SEGMENTS



Residential & SOHO



Commercial



Healthcare



Infrastructure



Education

WHY ONFINITI⁺



High Reliability



Easy user interface



Network management



Low cost of ownership



Over voltage protection

WHY NUMERIC

35+
YEARS OF EXPERTISE

WIDEST
SERVICE NETWORK
250+
DIRECT SERVICE CENTRES

PRODUCT RANGE FROM
24VA TO
21MW

1 MILLION +
UPS
ACTIVE
INSTALLATION BASE

1500+
EMPLOYEES

2 WORLD
CLASS
MANUFACTURING UNITS

TOP **3** UPS
COMPANIES
IN INDIA

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

*Source: Softdisk; LI-Line Interactive 1P- Single Phase

TECHNICAL SPECIFICATIONS

ONFINITI⁺ 1-10kVA FM Specification

PARAMETERS	1 KVA	2 KVA	3 KVA	6 KVA	10 KVA
Output power capacity	800 W	1600 W	2400 W	4800 W	8000 W
Technology	Online, double conversion, VFI-SS-111				
OVCD	Available				
Waveform	Sinusoidal				
Display panel	LCD display			LCD display + LED panel	
INPUT CHARACTERISTICS					
Input voltage	230 VAC				
Input frequency range	50-60 Hz ± 8% Auto sensing				
Input voltage range	160 V - 300 VAC @ 100% load ± 5%			176 V - 300 VAC @ 100% load ± 3%	
	110 V - 300 VAC @ 60% load ± 5%			110 V - 300 VAC @ 50% load ± 3%	
THD of input current	< 10% at full linear load and normal voltage			< 7% at full linear load and normal voltage	
Input power factor	≥ 0.99 (with full linear load)				
Connection	IEC Inlet	IEC Inlet	Terminal block	Terminal block	Terminal block
OUTPUT CHARACTERISTICS					
Outlets	3 x India type 6 Amps	4 x India type 6 Amps	4 x India type 6 Amps, Terminal block	Terminal block	Terminal block
Output voltage	230 VAC (adjustable to 220/230/240 VAC) ± 1%				
Output frequency	50 / 60 Hz ± 0.1 Hz				
Frequency synchronisation	46 to 54 Hz				
Crest factor	3:1				
THD of output voltage	< 3% at full linear load				
	< 5% at full non-linear load				
AC-AC efficiency*	Up to 87% @ 100% Load	Up to 88% @ 100% Load	Up to 90% @ 100% Load	Up to 92% @ 100% Load	Up to 93% @ 100% Load
ECO mode efficiency	Yes, 97%			Not available	
Converter mode	Available				
Configurable bypass	Available				
Overload capacity in Line mode	105 - 110% 10 mins, 111 - 130% 2 mins, 131 - 150% 30 sec			105 - 110% 30 mins, 111 - 130% 5 mins, 131 - 150% 10 sec	
Overload capacity in Battery mode	105 - 110% 10 mins, 111 - 130% 1 mins, 131 - 150% 3 sec			105 - 110% 3 mins, 111 - 130% 30 secs, 131 - 150% 3 sec	
BATTERIES AND BATTERY CHARGER CHARACTERISTICS					
Number of batteries	3	6 or 8		16/17/18/19/20	
Battery compatibility	VRLA/ Tubular/ Lithium-Ion				
Rated battery voltage	36 VDC	72 VDC or 96 VDC		192/204/216/228/240 VDC	
Battery charging current	10A default (1A / 2A/5A/10A Selectable)			4A default (1A/2A/4A Selectable)	
Recharge time (to 90%)	9 hours				
COMMUNICATION AND MANAGEMENT					
Communication ports	RS232 and USB				
Connector for network interface	SNMP/MODBUS/Dry contacts - Optional				
MECHANICAL CHARACTERISTICS					
Dimensions for FM (W x D x H) in mm	145 x 290 x 225	145 x 397 x 238		190 x 400 x 336	190 x 475 x 336
Net weight in kg (FM)	4.9	7.9	8.3	12	16
ENVIRONMENTAL CONDITIONS					
Operating temperature	0 °C to +40 °C			0 °C to +50 °C	0 °C to +40 °C
Protection index	IP 20				
Relative humidity (%)	0% to 95% (non-condensing)				
Storage temperature	-10 °C to +50 °C				
Noise level at 1 m (dBA)	< 50 dBA			< 55 dBA	< 58 dBA
REFERENCE DIRECTIVE AND STANDARDS					
Safety	IEC 62040-1 & IS 16242 (Part1) : 2014				
EMC	IEC 62040-2				
Performance and test requirements	IEC 62040-3				
Other compliance	CE, RoHS				

*Note- For detailed efficiency, please refer data sheet

TECHNICAL SPECIFICATIONS

ONFINITI⁺ 1-10kVA FMI Specification

PARAMETERS	1 KVA	2 KVA	3 KVA	6 KVA	10 KVA
Output power capacity	800 W	1600 W	2400 W	4800 W	8000 W
Technology	Online, double conversion, VFI-SS-111				
OVCD	Available				
Waveform	Sinusoidal				
Display panel	LCD display			LCD display + LED panel	
INPUT CHARACTERISTICS					
Input voltage	230 VAC				
Input frequency range	50-60 Hz ± 8% Auto sensing				
Input voltage range	160 V - 300 VAC @ 100% load ± 5%			176 V - 300 VAC @ 100% load ± 3%	
	110 V - 300 VAC @ 60% load ± 5%			110 V - 300 VAC @ 50% load ± 3%	
THD of input current	< 10% at full linear load and normal voltage			< 7% at full linear load and normal voltage	
Input power factor	≥ 0.99 (with full linear load)				
Connection	IEC Inlet	IEC Inlet	Terminal block	Terminal block	Terminal block
OUTPUT CHARACTERISTICS					
Outlets	3 x India type 6 Amps	4 x India type 6 Amps	4 x India type 6 Amps, Terminal block	Terminal block	Terminal block
Output voltage	230 VAC (adjustable to 220/230/240 VAC) ± 2%				
Output frequency	50 / 60 Hz ± 0.1 Hz				
Frequency synchronisation	46 to 54 Hz				
Crest factor	3:1				
THD of output voltage	< 3% at full linear load				
	< 5% at full non-linear load				
AC-AC efficiency*	Up to 80% @ 100% Load	Up to 83% @ 100% Load	Up to 84% @ 100% Load	Up to 87% @ 100% Load	Up to 87% @ 100% Load
ECO mode efficiency	Yes, 97%			Not available	
Converter mode	Available				
Configurable bypass	Available				
Overload capacity in Line mode	105 - 110% 10 mins, 111 - 130% 2 mins, 131 - 150% 30 sec			105 - 110% 30 mins, 111 - 130% 5 mins, 131 - 150% 10 sec	
Overload capacity in Battery mode	105 - 110% 10 mins, 111 - 130% 1 mins, 131 - 150% 3 sec			105 - 110% 3 mins, 111 - 130% 30 secs, 131 - 150% 3 sec	
BATTERIES AND BATTERY CHARGER CHARACTERISTICS					
Number of batteries	3	6 or 8		16/17/18/19/20	
Battery compatibility	VRLA/ Tubular/ Lithium-Ion				
Rated battery voltage	36 VDC	72 VDC or 96 VDC		192/204/216/228/240 VDC	
Battery charging current	10A default (1A / 2A/5A/10A Selectable)			4A default (1A/2A/4A Selectable)	
Recharge time (to 90%)	9 hours				
COMMUNICATION AND MANAGEMENT					
Communication ports	RS232 and USB				
Connector for network interface	SNMP/MODBUS/Dry contacts - Optional				
MECHANICAL CHARACTERISTICS					
Dimensions for FMI (W x D x H) in mm	145 x 290 x 458	145 x 397 x 458		190 x 475 x 596	190 x 475 x 596
Net weight in kg (FMI)	26	35	36	59	62
ENVIRONMENTAL CONDITIONS					
Operating temperature	0 °C to +40 °C			0 °C to +50 °C	0 °C to +40 °C
Protection index	IP 20				
Relative humidity [%]	0% to 95% (non-condensing)				
Storage temperature	-10 °C to +50 °C				
Noise level at 1 m [dBA]	< 50 dBA			< 55 dBA	< 58 dBA
REFERENCE DIRECTIVE AND STANDARDS					
Safety	IEC 62040-1 & IS 16242 (Part1) : 2014				
EMC	IEC 62040-2				
Performance and test requirements	IEC 62040-3				
Other compliance	CE, RoHS				

*Note- For detailed efficiency, please refer data sheet

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 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 +20 6729 5624

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

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