NUMERIC®

A Group brand | legrand®

PREMIUS

Single Phase UPS

1 – 10 kVA

THE POWER OF ONE

NEW ENERGY TO POWER

PREMIUS

Legrand presents Premius, the premium single phase UPS that brings the Power of One advantage. With design at the core, balancing aesthetics, technology with ease of use and performance, Premius sets the new benchmark in single phase UPS.

Get the Power of ONE advantage

Premius is an online double conversion single phase UPS that provides reliable and quality power for critical applications across segments.

NUMERIC®
A Group brand legrand®

Power of One

In Design

In Performance

In Flexibility

In Reliability

In Smart management

In Service

Power of One in **DESIGN**

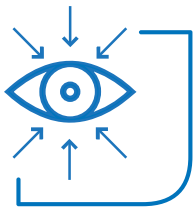
Thoughtful Design

Premius is thoughtfully designed to adapt perfectly to any environment. The air vents in the front and side panels are designed to allow maximum air flow for efficient cooling. The microprocessor controlled fans regulates the fan speed by automatically switching off when not required. This allows UPS to perform at optimal levels with reduced noise.

Futuristic style

Maximum airflow

Microprocessor controlled fan



Intuitive display

Easy User Interface

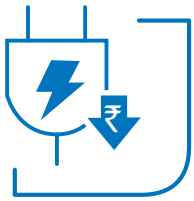
The combination of LED indicators and LCD display makes Premius very user-friendly. LED indicators allow to view the operating status of the UPS even from a distance, while the LCD display shows all the parameters in detail.

Power of One in **PERFORMANCE**

Unity Power Factor

Premius offers output rating of unity power factor across the entire range. A UPS with lower power factor has to be oversized to support dynamic load conditions. In such situations, the UPS cannot handle the real power and the reactive power leading to an overload which could damage not only the UPS but also the critical load.

More active power



Energy cost saving

Low Total Cost of Ownership

Premius offers up to 94% efficiency. High efficiency UPS reduces energy costs and minimises environmental impact. Low THDi of less than 5% across a wide range of load levels improves efficiency, reduces operational expenditure and extends the operating life of the UPS.

Compact Footprint

Premius is a high density compact UPS that has 10% lesser footprint which results in significant savings in real estate cost.

10% lesser footprint

Power of One in **FLEXIBILITY**

Redundancy Configuration

Premius offers N+X redundancy. You can parallel up to four UPS' for an increased output of up to 40 kVA or for redundancy. In the event of failure of a UPS, the other UPS' connected in parallel will take over the complete load ensuring maximum uptime. This allows flexible configuration for dynamic business needs.

Available in 5 to 10 kVA.

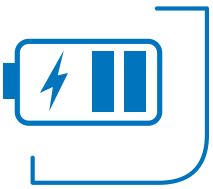
For paralleling 2 UPS units, the minimum load has to be >5% in each UPS.

Inbuilt Isolation Transformer

Premius has the option of inbuilt isolation transformer to protect the load from poor quality upstream power. Placed at the input side of the UPS, the isolation transformer filters all electrical disturbances and prevents unforeseen breakdown of the UPS components. This results in cost saving, high reliability and maximum uptime.

High Capacity Charger

Premius allows you to expand the charging capacity with an internal additional charger. This allows the user to connect high capacity batteries for long power backup and provide upto 2 times quick charge.

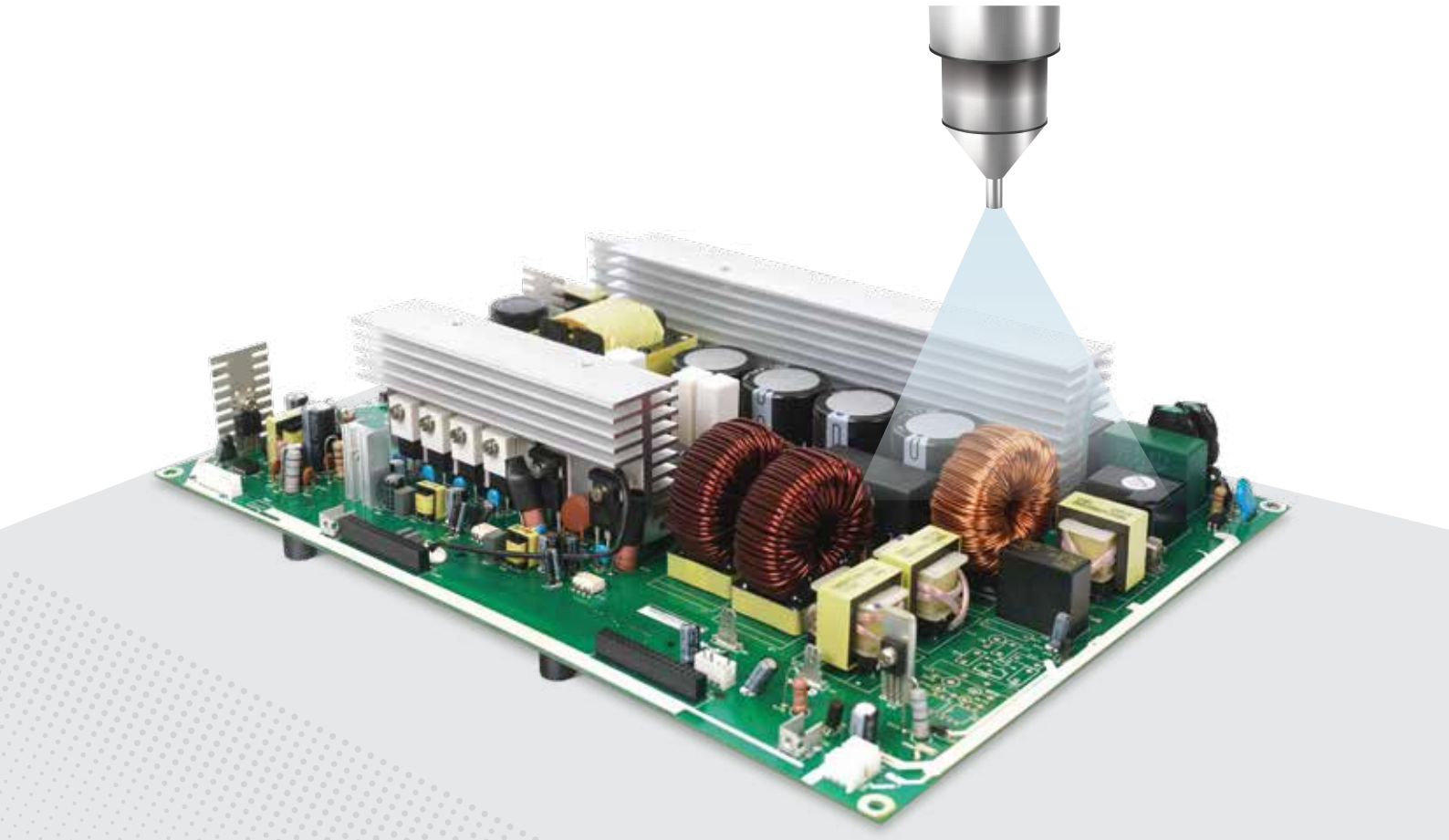


2x quick charge

Power of One in **RELIABILITY**

Conformal Coating

Premius is designed to withstand varied operating environments. The conformal coating prevents the printed circuit boards from corrosion and electrical failures. This ensures optimum performance and increases the life span of the UPS.



Overvoltage Protection

Premius comes with built-in protection to prevent damages to the components due to high voltage and transient surges. Overvoltage and erratic power supplies could harm the functioning of the UPS resulting in unforeseen downtime. This overvoltage protection gives high availability and reliable power protection for critical applications and ensures business continuity.

Power of One in **SMART MANAGEMENT**

Programmable Output Socket

Premius is equipped with Indian and IEC output sockets to handle various applications. The IEC output sockets can be programmed and configured to define load priority. This provides battery back-up for high priority loads during mains power failure. Available in 1-3 kVA.

Multiple Communication Options

Designed for today's connected world, Premius comes with multiple communication options. The integrated communication software allows you to monitor the UPS through RS232 and USB interface. The optional network interface card allows remote monitoring of the UPS, via internet.
It can be programmed to push notifications of specific events as they occur. This solution allows to remotely shutdown the UPS, in case of an emergency.

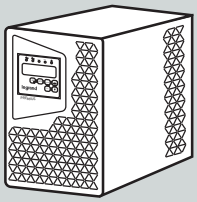
PREMIUS 1-10 kVA

Single Phase Online Double Conversion UPS

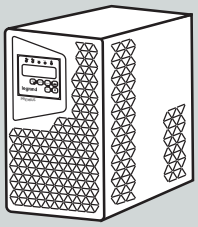
Without Inbuilt Isolation Transformer

Description	Cat code	Nominal Power (kVA)	Active power (W)	Dimension in mm (W x D x H)	Weight (Kgs)
1 kVA 36 VDC	NU 72 01 501	1	1000	190 x 490 x 302	11
2 kVA 72 VDC	NU 72 01 505	2	2000	190 x 490 x 302	13
2 kVA 96 VDC	NU 72 01 509	2	2000	190 x 490 x 302	13
3 kVA 72 VDC	NU 72 01 513	3	3000	190 x 490 x 302	13
3 kVA 96 VDC	NU 72 01 517	3	3000	190 x 490 x 302	13
5 kVA 240 VDC	NU 72 01 521	5	5000	260 x 692 x 437	27
6 kVA 240 VDC	NU 72 01 529	6	6000	260 x 692 x 437	27
7.5 kVA 240 VDC	NU 72 01 537	7.5	7500	260 x 692 x 437	32
10 kVA 240 VDC	NU 72 01 544	10	10000	260 x 692 x 437	32

PREMIUS 1 kVA - 3 kVA



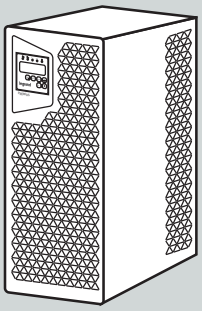
PREMIUS 5 kVA - 10 kVA



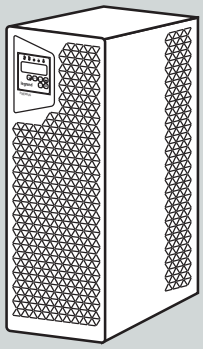
With Inbuilt Isolation Transformer

Description	Cat code	Nominal Power (kVA)	Active power (W)	Dimension in mm (W x D x H)	Weight (Kgs)
1 kVA 36 VDC	NU 72 01 503	1	1000	190 x 490 x 512	32.3
2 kVA 72 VDC	NU 72 01 507	2	2000	190 x 490 x 590	37
2 kVA 96 VDC	NU 72 01 511	2	2000	190 x 490 x 590	37
3 kVA 72 VDC	NU 72 01 515	3	3000	190 x 490 x 590	44.5
3 kVA 96 VDC	NU 72 01 519	3	3000	190 x 490 x 590	44.5
5 kVA 240 VDC	NU 72 01 525	5	5000	260 x 692 x 844	71
6 kVA 240 VDC	NU 72 01 533	6	6000	260 x 692 x 844	73.5
7.5 kVA 240 VDC	NU 72 01 540	7.5	7500	260 x 692 x 844	84
10 kVA 240 VDC	NU 72 01 547	10	10000	260 x 692 x 844	95.5

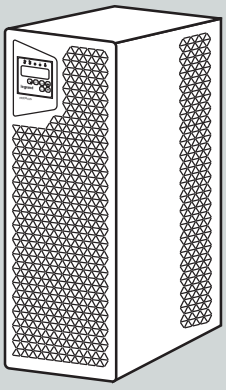
PREMIUS 1 kVA



PREMIUS 2 kVA & 3 kVA



PREMIUS 5 kVA - 10 kVA

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PREMIUS

PREMIUS 1-10 kVA

Single Phase Online Double Conversion UPS

UPS Without Inbuilt Isolation Transformer

	1 kVA	2 kVA	3 kVA	5 kVA	6 kVA	7.5 kVA	10 kVA
General characteristics							
Nominal power (VA)	1000	2000	3000	5000	6000	7500	10000
Active power (W)	1000	2000	3000	5000	6000	7500	10000
Technology	Online, Double conversion, VFI-SS-111						
Waveform	Sinusoidal						
Architecture	Tower						
Input characteristics							
Input voltage	230 V						
Input voltage range	160 V - 300 V						
Input frequency range	44 - 66 Hz			45 - 70 Hz			
THD of input current	< 5% at full load in normal UPS operating voltage						
Input power factor	≥ 0.99 (with full linear load)						
Connection	IEC 320-C20	Terminal block 30 A	Terminal block 40 A	Terminal block 75 A 4 Way		Terminal block 100 A 4 Way	
Output characteristics							
Outlets	2 Nos 10 A, IEC 320-C13 & 2 Nos 6 A, IS1293 & 1No 30 A, Terminal Block			Terminal block 75 A 3 Way		Terminal block 100 A 3 Way	
Output voltage	230 V (adjustable to 220/230/240 V) ± 1%						
Output frequency	50 / 60 Hz ± 0,1%						
Crest factor	3:1						
THD of output voltage	< 2% at full linear load						
	< 5% at full non-linear load						
Efficiency	Up to 92%			Up to 94%			
Overload capacity	Continous operation at <105%, 30 seconds from 106 - 120%, 10 seconds from 121 - 135%			Continous operation at <105%, 5 minutes from 111 - 130%, 1 minute from 130 - 150%			
Batteries and battery charger characteristics							
Number of batteries	3	6 or 8		20			
Rated battery voltage	36 VDC	72 VDC or 96 VDC		240 VDC			
Recharge time (to 90%)	4 hours						
Communication and management							
Display	LED and LCD for real-time monitoring and control						
Communications ports	RS232 and USB						
Network interface slot	SNMP / MODBUS						
Emergency power off (EPO)	Available						
Mechanical characteristics							
Dimensions W x D x H (mm)	190 x 490 x 302			260 x 692 x 437			
Net weight (kg)	11.5	13.5	13.5	28.5	28.5	33	33
Environmental conditions							
Operating temperature	0°C to +40°C						
Protection index	IP 20						
Relative humidity (%)	20% to 90% (non-condensing)						
Storage temperature	-10°C to +50°C						
Noise level at 1 m (dBA)	< 50 dBA						
Reference directive and standards							
Safety	EN 62040-1 & IS 16242:2014						
EMC	EN 62040-2						
Performance and test requirements	EN 62040-3						

Note: Product specifications are subject to change purely on company's discretion without any prior notice.
General Tolerance for dimensions and weight is ± 2%.

UPS With Inbuilt Isolation Transformer

	1 kVA	2 kVA	3 kVA	5 kVA	6 kVA	7.5 kVA	10 kVA
General characteristics							
Nominal power (VA)	1000	2000	3000	5000	6000	7500	10000
Active power (W)	1000	2000	3000	5000	6000	7500	10000
Technology	Online, Double conversion, VFI-SS-111						
Waveform	Sinusoidal						
Architecture	Tower						
Input characteristics							
Input voltage	230 V						
Input voltage range	180 V - 295 V						
Input frequency range	44 - 66 Hz			45 - 70 Hz			
THD of input current	< 5% at full linear load and normal voltage						
Input power factor	≥ 0.99 (with full linear load)						
Connection	IEC 320-C20	Terminal block 30 A	Terminal block 40 A	Terminal block 75 A 4 Way		Terminal block 100 A 4 Way	
Output characteristics							
Outlets	2 Nos 10 A, IEC 320-C13 & 2 Nos 6 A, IS1293 & 1No 30 A, Terminal Block			Terminal block 75 A 3 Way		Terminal block 100 A 3 Way	
Output voltage	230 V (adjustable to 220/230/240 V) ± 1%						
Output frequency	50 / 60 Hz ± 0,1%						
Crest factor	3:1						
THD of output voltage	< 2% at full linear load						
	< 5% at full non-linear load						
Efficiency	Up to 83%			Up to 90%			
Overload capacity	Continous operation at <105%, 30 seconds from 106 - 120%, 10 seconds from 121 - 135%			Continous operation at <105%, 5 minutes from 111 - 130%, 1 minute from 130 - 150%			
Batteries and battery charger characteristics							
Number of batteries	3	6 or 8		20			
Rated battery voltage	36 VDC	72 VDC or 96 VDC		240 VDC			
Recharge time (to 90%)	4 hours						
Communication and management							
Display	LED and LCD for real-time monitoring and control						
Communications ports	RS232 and USB						
Network interface slot	SNMP / MODBUS						
Emergency power off (EPO)	Available						
Mechanical characteristics							
Dimensions W x D x H (mm)	190 x 490 x 512	190 x 490 x 590		260 x 692 x 844			
Net weight (kg)	32.8	37.5	45	72.5	75	85	96.5
Environmental conditions							
Operating temperature	0°C to +40°C						
Protection index	IP 20						
Relative humidity (%)	20% to 90% (non-condensing)						
Storage temperature	-10°C to +50°C						
Noise level at 1 m (dBA)	< 50 dBA						
Reference directive and standards							
Safety	EN 62040-1 & IS 16242:2014						
EMC	EN 62040-2						
Performance and test requirements	EN 62040-3						

Note: Product specifications are subject to change purely on company's discretion without any prior notice.
General Tolerance for dimensions and weight is ± 2%.

Power of One in **SERVICE**

In today's dynamic business environment, predictable and efficient service delivery is key to business continuity. With customer centric focus, we have put technology as an enabler for a seamless experience, quick response time and faster resolution with CRM.

Onsite Training

Numeric's service engineers are aptly qualified to conduct training programmes and sessions which include hands-on operations, safety, erection, decoding the information on the front panel, precautions, necessary monitoring and many more crucial aspects.

Site Test Commissioning

Our Service Engineers conduct rigorous site tests and full setting-up of the UPS system before going live. They also configure the UPS according to your requirements. Commissioning operations for all UPS are carried out by qualified engineers to guarantee seamless start-up. After the final handing over of the UPS system, the installation report is delivered to you.

Preventive Maintenance

Electronic equipment and power systems, such as UPS, contain limited-life components and parts that must be replaced according to the manufacturer's specifications. To ensure optimal performance and to protect your critical applications from potential downtime, it is crucial to perform preventive maintenance operations on a regular basis and replace parts when needed. Our Service Contracts with Preventive Maintenence include cleaning, UPS measurements, functional tests, technical reports if required, battery health check up and software upgrades. A Preventive Maintenance Plan is one of the most cost-effective actions that can preserve your initial investment and ensure your business continuity.

On Demand Service

In the event of an emergency call, engineers and stocks of spare parts are strategically located at locations near you to minimise downtime. This is available 24 x 7 x 365. Our proprietary diagnostic software helps our engineers identify the fault for a short Mean Time To Repair (MTTR). Corrective actions such as part replacement and other fixes are undertaken to return the UPS system back to normal operations.

SCAN TO FIND OUR
NEAREST BRANCH

NUMERIC®

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