

PREMIUS

Single Phase UPS
7.5 – 20 kVA

THE POWER OF ONE



NEW ENERGY
TO POWER



The one for **YOUR NEEDS**

Legrand presents Premius, a true online double conversion single-phase UPS that brings the Power of One advantage. Crafted meticulously to bring together cutting-edge technology, aesthetics, user-friendly operation, and exceptional performance. Premius offers best-in-class features that ensures consistent high-quality power supply for mission-critical applications across several industries, thereby redefining the industry's standard for single-phase UPS systems.

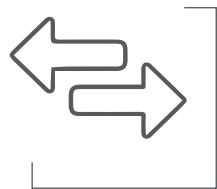
Get the Power of
ONE
advantage



Power of One in **DESIGN**

Thoughtful Design

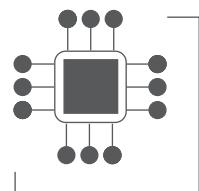
Premius is thoughtfully engineered to seamlessly adapt to any environment. It is designed to be dynamic as it gives you the flexibility to interchange between single-phase or three-phase input and single-phase output, depending on your business needs.



Adaptive Configuration

Designed with Purpose

The microprocessor-controlled fans effectively manage fan speed by automatically shutting down when not needed. This feature enables the UPS to operate at peak performance levels while minimising noise.



Microprocessor Controlled Fans



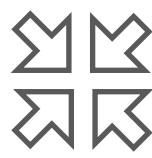


Easy User Interface

Premius comes with user-friendly gravity sensing LCD display that can adapt as per UPS Rack / Tower installation. This LCD display not only allows the user to view the operating status of the UPS in detail, but also offers a comprehensive presentation of all parameters. An innovative auto-rotating display ensures effortless monitoring and management, adapting to your preferred orientation for clear and convenient real-time status updates.

Compact Footprint

Premius is a compact high-density UPS, with 30% less footprint resulting in significant space saving. When mounted in rack form factor, Premius occupies just 3U of rack space allowing ease of handling with minimum effort, during expansion or relocation of the business.



30% Less
Footprint

Power of One in **PERFORMANCE**



More Active Power

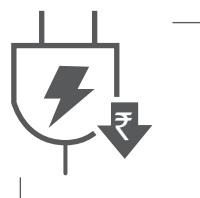
Unity Power Factor

The complete Premius range offers a unity power factor that provides maximum active power, by converting more of input power to usable output power. This optimises energy usage. Its unity power factor eliminates the need for oversizing, ensuring it can efficiently manage dynamic load conditions without issues making it ideal for segments like Data Centers, IT& ITeS.



Low Total Cost of Ownership

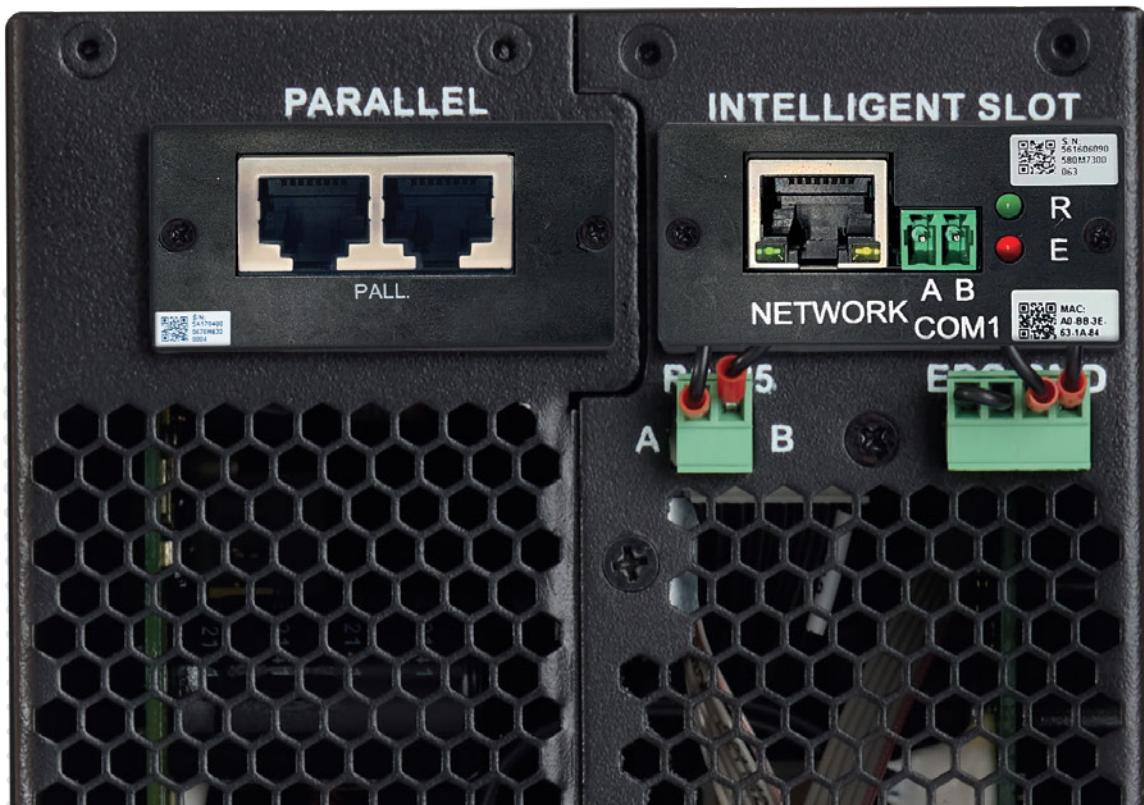
Owing to its three-level inverter design, Premius delivers upto 96% efficiency, leading to a significant reduction in energy loss and increased energy cost savings. The complete range of Premius offers less than 5% THDi which helps reduce energy consumption, saves operational costs and increases the life span of the UPS. The combination of these features, along with its compact footprint, ensure low Total Cost of Ownership and makes it an ideal choice for diverse industries.



Energy Cost Saving

Power of One in **REMOTE MANAGEMENT**

Tailored for the modern interconnected world, Premius offers a range of communication options. Its built-in communication software enables UPS monitoring via RS485. With the SNMP card, the UPS can be controlled remotely over the internet and it also has a feature to send SMS alerts for programmed events.



Power of One in **FLEXIBILITY**

Redundancy Configuration

Available in 7.5 to 20 kVA

Premius offers N+X redundancy. This makes it possible to rack up to four UPS units in parallel and increase the output up to 80 kVA. In the event of failure of a particular UPS, the other UPS units take over the complete load, ensuring maximum uptime and uninterrupted business continuity.

In parallel operation, the current is displayed only after each UPS reaches atleast 10% load.



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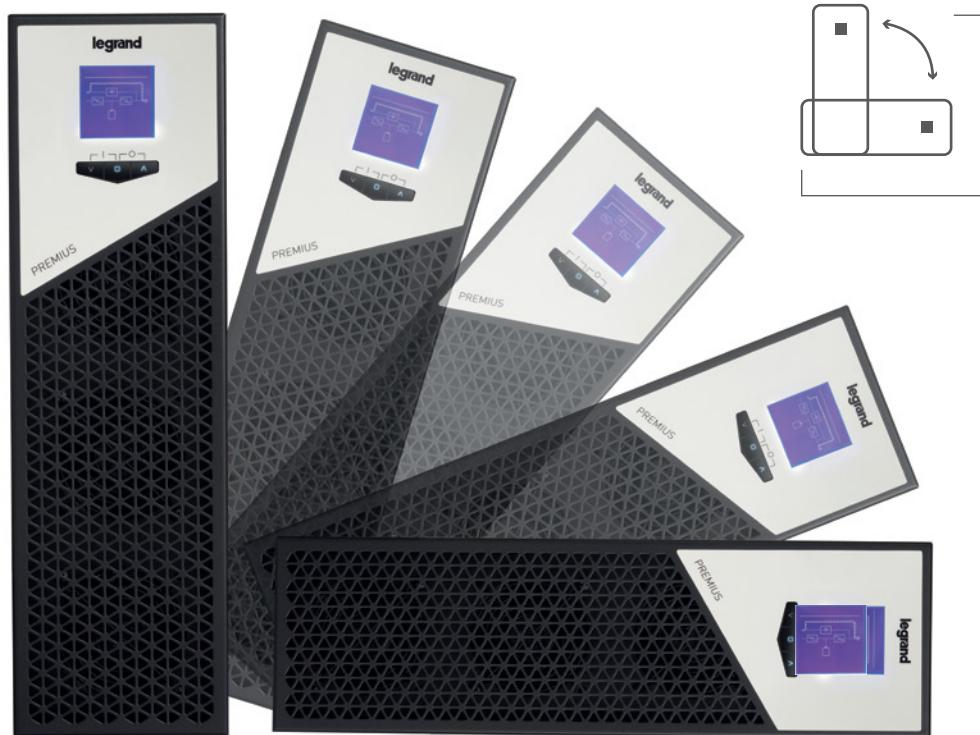


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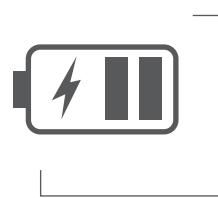
Flexible Configuration

Rack Tower Configuration

Premius provides flexibility to be configured as a rack or tower UPS, depending on your infrastructure needs. Its high-density rack tower form gives you the option to set it up as a rack or as a conventional UPS making it ideal for IT rack set ups. This adaptability simplifies installation and maintenance in data centers and server rooms.

High Capacity Charger

Premius is equipped with a high capacity internal charger that restores the charge during a power outage. This gives it a longer backup and allows the recharge to be twice as fast.

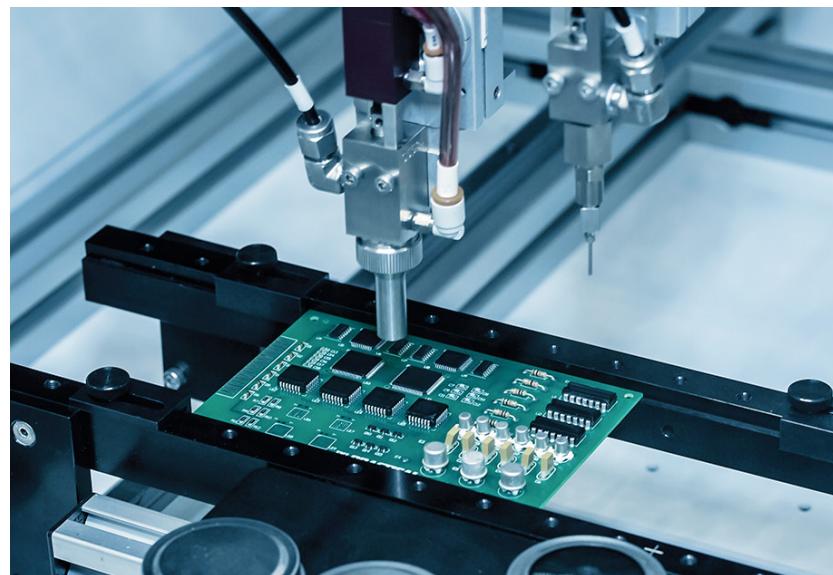


2x Quick Charge

Power of One in **RELIABILITY**

Conformal Coating

Premius is engineered to endure diverse operational conditions. The application of conformal coating acts as a safeguard against corrosion and electrical malfunctions on the printed circuit boards, ensuring optimal performance and extending the UPS' lifespan.

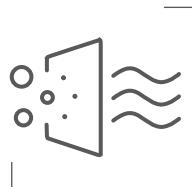


Bypass Panel

Premius comes with an optional bypass panel that provides a mechanism to safely transfer power loads between the UPS and the utility source. In case of UPS maintenance or failure, the bypass panel allows for seamless switching to utility power, ensuring continuous power supply to critical equipment without disruption. This redundancy minimizes downtime and enhances reliability of the UPS ensuring uninterrupted business continuity.

Dust Filter

Premius is equipped with a dust filter that adds to the system's reliability by preventing the accumulation of dust and particulate matter, ensuring optimal performance and longevity even under harsh environments.



Dust Protection



Over Voltage Protection

Premius incorporates built-in protection to safeguard its components from potential harm caused by high voltage spikes and transient surges. This not only ensures the longevity and reliability of the UPS, but also enhances the protection of critical equipment, reducing the risk of costly downtime and data loss.

PREMIUS 7.5 - 20 kVA

Single Phase Online Double Conversion UPS

General Characteristics	7.5 kVA	10 kVA	15 kVA	20 kVA		
PID number	NU 72 01 550	NU 72 01 551	NU 72 01 552	NU 72 01 553		
Nominal power (VA)	7500	10000	15000	20000		
Active power (W)	7500	10000	15000	20000		
Technology	Online, double conversion, VFI-SS-111					
Waveform	Sinusoidal					
Architecture	Rack / Tower					
Configuration	3P-1P / 1P-1P (Factory configurable)					
Input Characteristics						
Input voltage	230 V (Line-Neutral) 400 V (Line-Line)					
Input voltage range	176 V-280 V (Line-Neutral), 305 V-485 V (Line-Line)					
Input frequency range	40-70 Hz					
THD of input current	< 5% at full linear load and normal voltage					
Input power factor	≥ 0.99 (with full linear load)					
Connection	Terminal block					
Output Characteristics						
Outlets	Terminal block					
Output voltage	230 V (adjustable to 220/230/240±1%)					
Output frequency	50 / 60 Hz ± 0,1%					
Crest factor	3:1					
THD of output voltage	< 1% at full linear load					
	< 3% at full non-linear load					
Efficiency	Up to 96%					
Overload capacity	105% continuous, 106-110% load 60 mins, 111-130% load 10 mins, 131-155% load 1 minute, above 155% load 200ms.					
Batteries and Battery Charger Characteristics						
Number of batteries	12 V battery 192 Vdc ~ 480 Vdc (± 8 nos. ~ ±20 nos.)	12 V battery 288 Vdc ~ 480 Vdc (± 12 nos. ~ ±20 nos.)				
Battery type	Depending on the capacity of external batteries					
Rated battery current	10Amps (1A/2A/3A/4A/5A/6A/7A/8A/9A/10A selectable)					
Recharge time (to 90%)	4 hours					

Communication and Management				
Screen and signalling	Three buttons with LEDs for real-time control of the status and the main parameters of the UPS			
Communications ports	RS485			
Connector for network interface	SNMP/ Dry contact (Optional)			
Remote control	Yes			
Emergency power off (EPO)	Yes			
Mechanical Characteristics				
UPS dimensions WxDxH (mm)	438×572×130 (3U)			
UPS Net weight (kg)	19	19	20	20
Distribution box dimensions WxDxH (mm)	438×572×130 (3U)			
Distribution box Net weight (kg)	11			
Environmental Conditions				
Operating temperature	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)	< 55			
Reference Directive and Standards				
Safety	EN / IEC 62040-1 & IS 16242:2014			
EMC	EN / IEC 62040-2			
Performance and test requirements	IEC 62040-3			

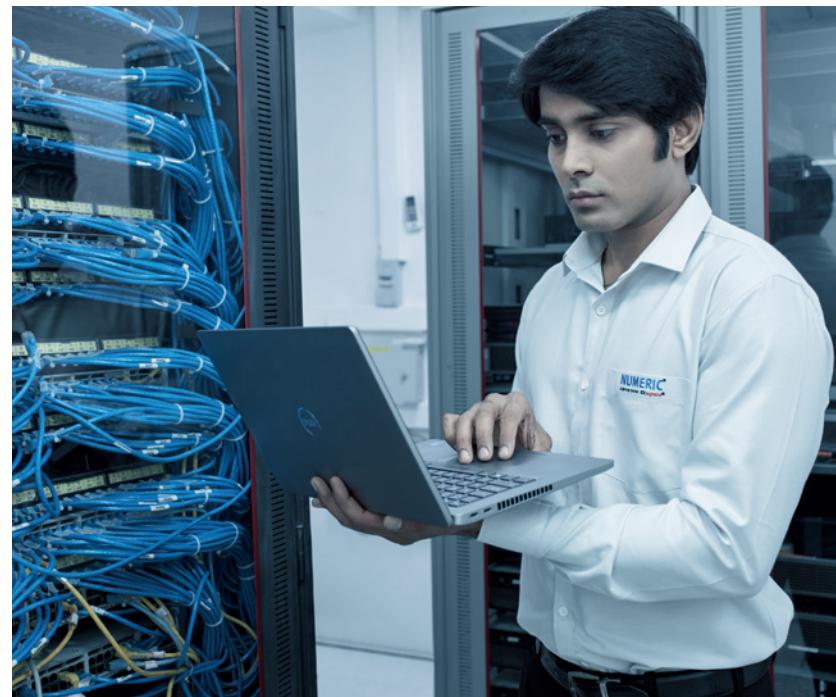
Note: Product specifications are subject to change purely on company's discretion without any prior notice.
General tolerance for dimensions and weight is ± 2%.

Power of One in **SERVICE**

In today's dynamic business environment, proactive 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 setting-up of the UPS system before going live. They also configure the UPS according to your requirements. Commissioning operations

for all UPS systems are carried out by qualified engineers to guarantee seamless startup. The installation report is delivered after the final handing over of the UPS system.

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 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 PM 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 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 24x7x365. 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®

A Group brand |  legrand®

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