

**Core Competence In Power Electronics**

## Corporate Profile

Sri Ragavendra Power Solutions, popularly known as RPC, has been extending its rich experience of providing Uninterruptible Power Supply (UPS) to a widest range of clientele in India. the dedicated team of engineers and professionals, round the clock service, efficient networking.

RPC epitomizes the Indian UPS industry. Over last Two decades RPC has become the power house of indigenous UPS technology. Its capability to develop, deliver and support very sophisticated state of art designs encompasses all class of customers. Access to internationally renowned power protection products in higher kVA ratings has broadened RPC offerings to Indian markets.

RPC products support critical power conditioning requirements in wide ranging applications, such as Oil & Gas, Information Technology, Banking, Medical Diagnostic, Process & Automation Industry, Telecom, Pharma, Engineering, Hotels, Schools & Colleges.

Today, RPC is equipped to keep pace with contemporary global developments and market demands. In the years ahead, RPC venturing into newer horizons, with sound experience and unmatched engineering knowledge & skills, envisions itself to be the leading player in Indian UPS industry.





## The Power of Technology

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### Advantage RPC

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- ◆ Most Advanced Technology
- ◆ Modern Manufacturing set up
- ◆ Unmatched Product Capability
- ◆ Extensive Marketing Infrastructure
- ◆ 24x7 Customer Support Service

## RPC Capabilities

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### Complete Power Solutions

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RPC provides total support in load assessment, narrowing down of specifications of power supply, study of installation site, adapting / upgrading its existing designs, installation & commissioning, AMC's and total post sales support etc. Its ability to design appropriate and adequate power solutions have created many 'firsts' during last Two decades, in power electronics industry in India. Our project management expertise and ability to customize have enabled us to deliver wide range of power solutions for mission critical applications.

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### SMF Batteries

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- ◆ Amaron
- ◆ Exide
- ◆ Rocket
- ◆ Panasonic

# Application Areas

- ◆ Oil & Gas
- ◆ Heavy Industries
- ◆ Hospitals
- ◆ Continuous Processing Plants
- ◆ Robotics & Automation
- ◆ Automobile
- ◆ Steel & Aluminum
- ◆ Food Processing
- ◆ Medical Diagnostic
- ◆ Colleges
- ◆ IT & ITEs
- ◆ Communication
- ◆ Retails and Malls
- ◆ Transportation and Logistics

## Special Applications

- ◆ Solar PV Plants
- ◆ Wind Turbines



**IT Sector**



**Robotics & Automation**



**Factories**



**Telecom**



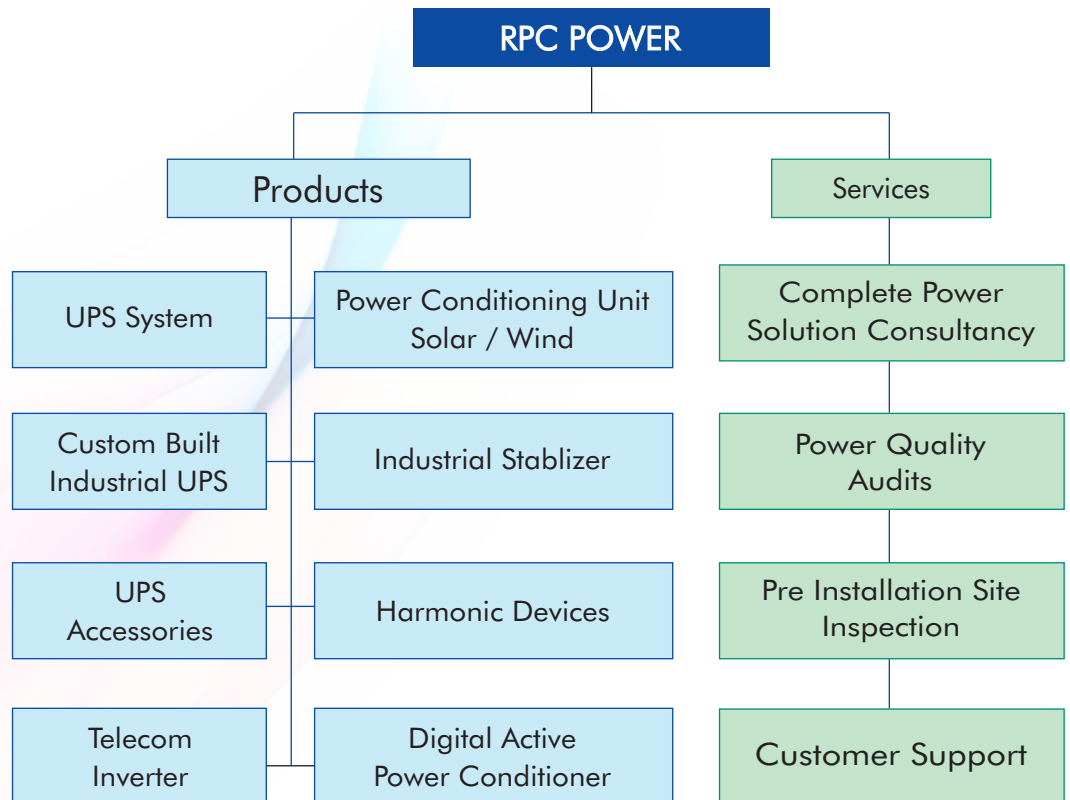
**Colleges**



**Hospital**



# RPC Products and Services



## Products

- ◆ UPS - 1 to 300 kVA
- ◆ Custom Built Industrial UPS
- ◆ UPS Accessories
- ◆ Digital Active Power Conditioner
- ◆ Intelligent Static Transfer Switch for power distribution
- ◆ Automatic Rescue Device (ARD) for passenger lifts
- ◆ Lift Backup Systems
- ◆ PCU for Solar PV and Wind Turbine - 1 to 100 kW
- ◆ Telecom Inverter



## Customer Support

Dedicated, trained technical manpower, efficient spares provisioning, distributed & sophisticated service infrastructure and responsive higher management are the strengths of RPC Customer Support team. RPC has acknowledged these attributes right from its inception and set up its service support facilities. Today, it is enjoying its benefits by registering largest number of satisfied customers to its account. At RPC, our motto is ultimate customer satisfaction, through :

- ◆ High uptime guarantee
- ◆ Customer Support Engineers
- ◆ Spares stocked at strategic locations
- ◆ 24 x 365 alert support
- ◆ Excellent Customer satisfaction rating



## Technical Specifications - Version - 8.0

Model	1 Ph to 1 Ph						3 Ph to 1 Ph				3 Ph to 3 Ph															
	1000	2000	3000	6000	7500	10000	10000	15000	20000	30000	10000	15000	20000	30000	40000	60000	80000	100000	120000	140000	160000	200000	250000	300000		
Capacity	1	2	3	6	7.5	10	10	15	20	30	10	15	20	30	40	60	80	100	120	140	160	200	250	300		
Operating Mode & Principle																										

### True Online, Static by Pass (Uninterrupted Switch) Dual Conversion, Output Galvanic Isolation

AC Input		
Phase	Single Phase	3 Phase
Voltage	230 V ± 25%	400 V ± 25%
Frequency	50Hz ± 5%	50Hz ± 5%
P.F	Unity	Unity
Soft Start	0-100% 5 Sec	0-100% 5 Sec

Bypass		
Phase	Single Phase	3 Phase
Voltage	230 V ± 20%	400 V ± 25%
Frequency	50Hz ± 5%	50Hz ± 5%
Transfer Time	0 ms, Inverter to By Pass	0 ms, Inverter to By Pass (overload)

DC System		
Voltage	48 / 72 / 96 / 120 / 180 / 240	360 / 384 / 480
Charging Current	1A to 50A (adjustable Charge Current)	

AC Output		
Phase	Single Phase	3 Phase
Voltage	230 ± 1% (Stable Load) : 5% (Fluctuated Load)	400 ± 1% (Stable Load) : 400 ± 5% (Fluctuated Load)
Frequency	50Hz ± 5%	50Hz ± 5%
Power Factor	0.8	0.8
Wave form	True Sine Wave	True Sine Wave
Harmonic Distortion	<3% (Linear Load) <5% (Non-Linear Load)	<3% (Linear Load) <5% (Non-Linear Load)
Dynamic	Instantaneously Changing of Load (0 to 100%) changing of out voltage <5%	Instantaneously Changing of Load (0 to 100%) changing of out voltage <5%
Transient Time	Transient Recovery Time <10 ms	Transient Recovery Time <10 ms
Overload	125% for 25 min 150% for 1 min 200% for 30 Sec	125% for 25 min 150% for 1 min 200% for 30 Sec
Cooling	Force Wind	Force Wind

System		
Efficiency	93% & Above	
Interface	Rs.232, SNMP (Optional)	
Temperature	0-40% (Optional)	
Humidity	30 - 90%	
Nosie (DB)	45-50	53-65
	55-65	53-85
	55-85	58-85

Standard and Custom Design Available

## The Power of Technology



## **SRI RAGAVENDRA POWER SOLUTIONS**

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