AN EFFICIENT ROTARY POWER CONVERSION SYSTEM

Get Optimum Power Generation at Lowest Cost







30kW to 500kW R.P.C.S Power Packs

www.raeng.com

Regulated 3-phase 400VAc output Distortion free Power Source **Isolation from grid** Clean Harmonics free electricity
Constant power factor
Zero carbon emission



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WHAT IS ROTARY POWER CONVERSION SYSTEM

The ROTARY POWER CONVERSION SYSTEM is a part of R.A Hybrid system and is not like common hybrid system.

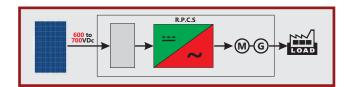
This system doesn't need the batteries but can be added as additional benefit.

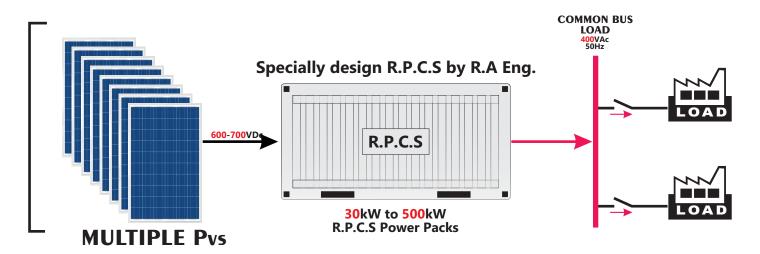
You can run only PV power until sunlight is available.

The solar power is directly converted to 3 Phase Ac power with controlled power factor.

There is no need grid or diesel power.

System Philosophy





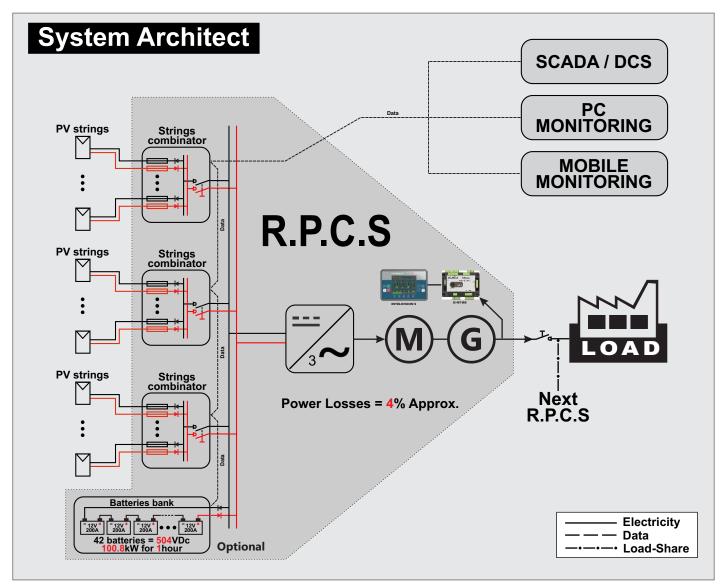
R.A's Green Series rotary power converters are designed after the decades of expertise in the field of power generation.

This system converts the solar generated DC power to 3-phase AC power without the need of batteries and the sensing of grid supply.

The system is modular designed and multiple units can be parallel as per requirement of the project.



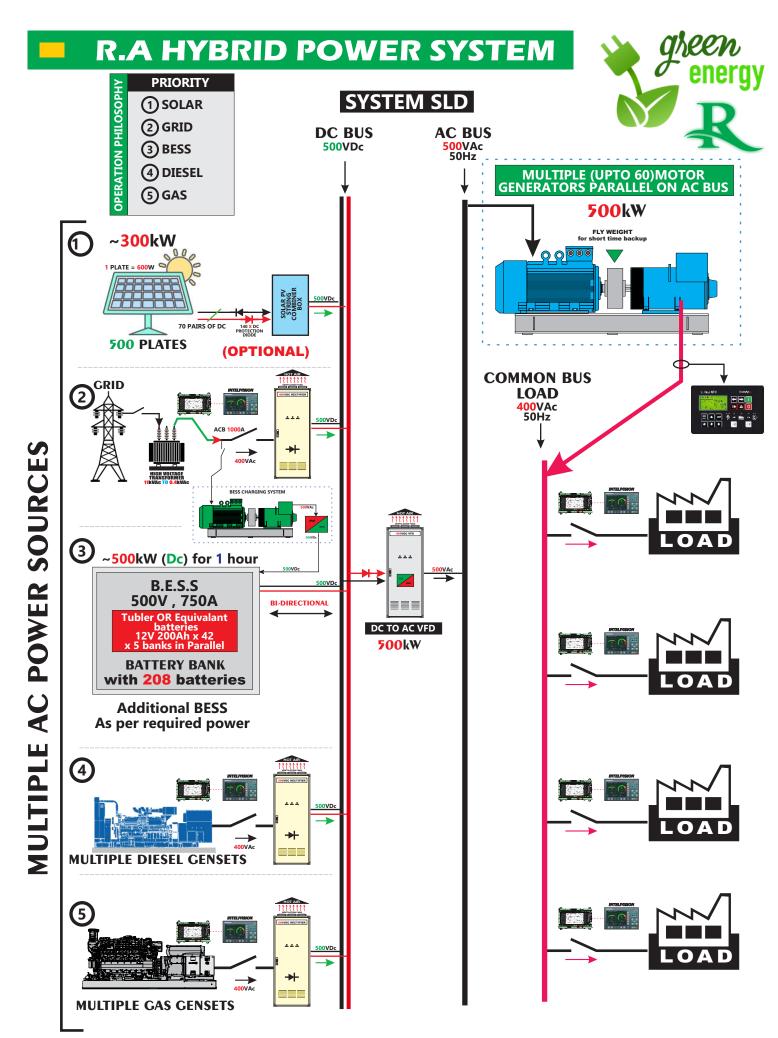




RPCS (Rotary Power Conversion System) System Visual

Here is the visual representation of a high-performance backup generator. RPCS delivers similar efficiency without the need for fuel, offering a clean, reliable, and cost-effective solution.







RPCS (Rotary Power Conversion System) – The Future of Power, With the Smoke free Country



Smart Power Backup When Grid Failure – No Fuel, No Hassle!

Solar inverter built-in in the system, if you have a 500kW DC system or up to a 500kW. there is no need for an additional inverter after the RPCS installation.

What is RPCS?

RPCS (Rotary Power Conversion System) is a rotary Grid-based power solution designed to provide uninterrupted electricity during power of Failure without using Diesel, gas, or any other fuel — a smarter,

more cost-effective alternative to traditional generators.

Why Choose RPCS?

- ✓ Runs Without Fuel: No need for diesel, or gas ever.
- ✓ 50% Cost Savings: Cut your power cost in half compared to diesel solutions.
- √ High Efficiency:

Long-lasting energy output that powers your needs reliably.

- ✓ Eco-Friendly: Zero emissions, 100% sustainable.
- ✓ Low Maintenance Cost: Set it up and forget it. It's built to last.
- ✓ Smart Investment: Pay back your investment through energy savings!

2-Year Complete Warranty

We stand by our product. If any battery or part is damaged within 2 years, we'll replace or repair it — free of cost.

Cost Comparison

Standard Diesel Generator Usage Cost	RPCS (Rotary Power Conversion System) Cost Model
Rs 0.28 × 500KW × 273 days × 1= 38,220 Per Hour cost × 10,000 Hours total life = 382,200,000 High cost + New Diesel Generator Cost Approximately 25 million PKR	Rs 35 From Grid Per Kw × 500KW × 10,000 Hours = 175,000,000 Half the cost for 10 years + System Approximately Price 38 million PKR Rs We deliver 1 hour per day. We have an option for up to 4 hours

Ready to Make the Switch?

Say goodbye to rising fuel prices and unreliable power. With RPCS, you get clean, reliable, and affordable energy — built for the future.





RPCS Uninterruptible Power Supply – Key Futures

- 1. 0 Switching Time Instantly switches to backup with no delay.
- 2. No ATS Needed Continuously running without automatic transfer switch.
- 3. Grid Power Purification Power surge (spike) Harmonic distortion Power sag Undervoltage (brownout) Overvoltage Electrical line noise Frequency variation– Switching transient.
- 4. Instant Backup Power Keeps systems running during outages.
- 5. Safe Shutdown Allows time to save work before full shutdown.
- 6. Clean Power Output Ensures stable electricity for sensitive devices.
- 7. No more loss of production.
- 8. Productivity increased.
- 9. Profitability ensured.
- 10. No more wastage of raw material.
- 11. Reduced wastage.
- 12. Reduced unnecessary cost.
- 13. No more loss of man-hours.
- 14. No time loss on re-start of processes.
- 15. Equipment protected from power issues.
- 16. Equipment preserved.
- 17. Reduced unnecessary breakdown & maintenance













For more details please click the link below **WWW** raeng.com

