

AC & DC Custom UPS



PRODUCT SPECIFICATIONS

Description

RIC Electronics designs and manufactures AC and DC UPS solutions to fit demanding industrial needs. Whether it be single or dual input, redundant rectification, AC and/or DC output, they will create a custom system that meets or exceeds the required technical specifications.

Not being constrained to one size of cabinet or type of system, they can utilize SCR or high frequency switch-mode rectification based on the requirements.

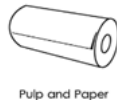
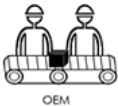
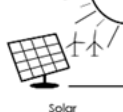
Backup time can be provided internally or externally depending on the amount of time needed.

Contact the sales team at RIC Electronics for more information on custom AC/DC solutions.



System providing AC (120VAC, 3KW) and DC (125VDC, 50A)

Industries



Features

- SCR or high frequency switch mode rectifier
- AC/AC, AC/DC, DC/AC, DC/DC
- AC single phase/three phase
- Voltage: 2-600V (input or output)
- Power: 120 Watts – 200kW
- Backup time: 5 minutes – multiple days (optional redundancy)
- Single or dual (multiple source) input
- NEMA 1 enclosure (NEMA 2, 3R, 4/4X and 12 available)
- Redundant chargers

High Frequency System

The sample system on the right hand side is comprised of an IGBT battery charger that outputs 48VDC/40A and 120VAC (650 Watts). The backup time for this system is 24 hours.

This system provides both midpoint and string voltage readings with 500VDC input and DC output breakers.



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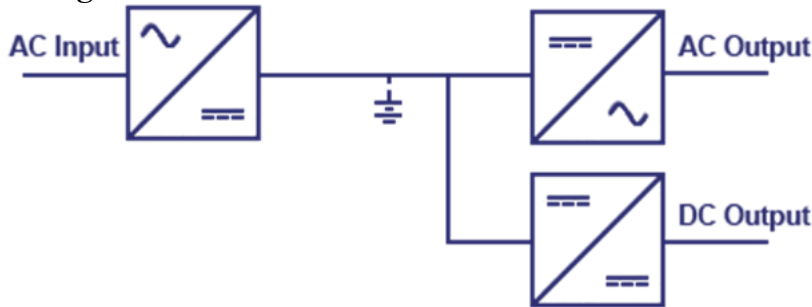
Sample Systems

Configuration 1



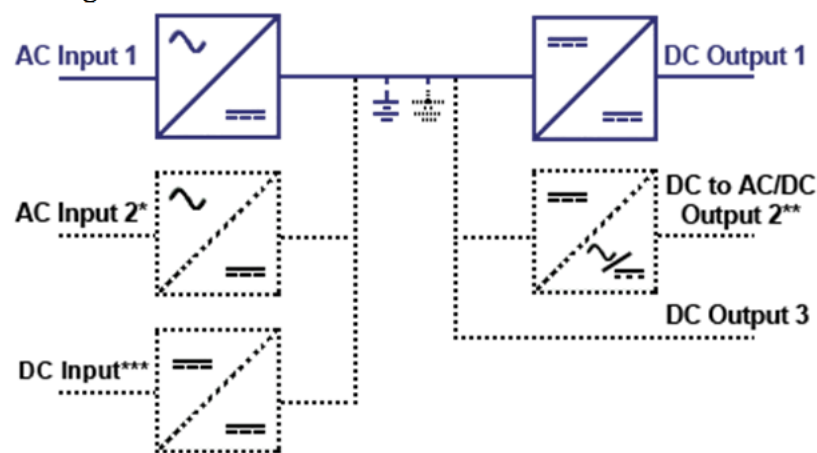
Not shown are transfer and bypass switch options which can be added to any system.

Configuration 2



Number of battery strings dependant on backup time. Inverters and converters can be added for redundancy.

Configuration 3



*Dual AC input with redundant rectifier available.
 ** DC to AC inverter and/or DC outputs.
 ***DC input capability