

# INDUSTRIAL PARALLEL RT

## True On-Line UPS - 6000VA to 24000VA

- **Double Conversion Technology**  
Fully regenerated sine wave output independent of utility supply
- **Parallel/Redundancy/Flexibility**  
To cater for business growth & redundancy option
- **Constant Voltage Constant Frequency (CVCF) Programmable**  
For the highest quality output
- **Customer Options Slot**  
SNMP/USB/Relay Card
- **LCD/LED Panel**  
Real time Power, Battery and Load Status
- **Galvanic Isolation Transformer**  
Ensures output is totally independent of input
- **Smart Speed Controlled Fan**  
To extend UPS service life and reduce noise
- **Comprehensive Warranty**  
3 year warranty (2 years on battery)

Using a field-proven Digital Signal Processor (DSP), the Industrial Parallel Series UPS performs as a truly user-friendly unit for easy operation and access to system information and unit customisation. Parallel/Redundancy (N+1)/Load Sharing/ enables you to increase power capacity or make redundant systems. Simply connecting the parallel control lines with CAN-bus communication to all units, the UPS can operate in parallel mode. The maximum parallel operation of up to 4 units. Dual Input Loops design provides a loop for rectifier and another for Bypass.

An easy-to-read LCD/LED display provides real-time power status such as input voltage, output voltage, battery voltage, battery level, load level, input/output frequency, temperature of inner cabinet, error code, UPS status, etc. A full-size graphical LCD display provides advanced monitoring functions that greatly enhances the friendly operating interface.

Air forced cooling by internally mounted fans with Fan Speed adjusted according to load.

In Real ECO (Economic) operation mode, the power supplied to load is through the Static Switch. It will automatically transfer to inverter supply, if bypass Utility/Mains AC is out of tolerance. A variety of communication options are offered, such as USB, SNMP, serial and true relay card.

Standard Matching Battery Cabinets are available to extend the UPS runtime to several hours.

The Intelligent self-diagnostics inside the DSP may help service engineers to check out failure points rapidly.

Automatic and Manual Bypass ensures continuous supply of power to the critical load in the event of electronic failure, overload, overheat or scheduled maintenance.



Rack to Tower Display



**Exceptional Design . . .**



**UPSONIC POWER**

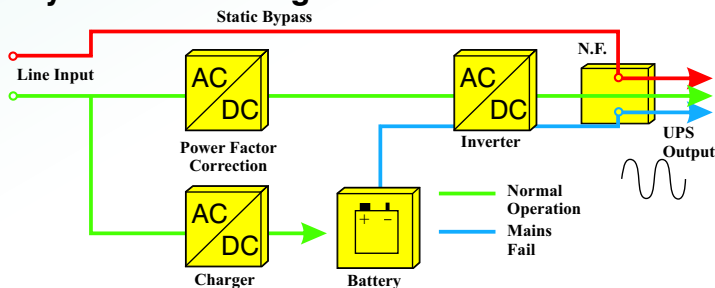
**POWER FOR THE  
NON-STOP WORLD**

[www.upsonic.com.au](http://www.upsonic.com.au)  
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## Specifications

Model	INDUSTRIAL PARALLEL RT	IP 6000RT
CAPACITY	VA/W	6000VA / 4200W
INPUT	Voltage	160 ~ 280 VAC
	Frequency	45 - 65Hz
	Phase / Wire	Single, Line + Neutral + Ground
	Power Factor	Up to 0.99 at 100% Linear Load
	Current THD	<6% at 100% Linear Load
OUTPUT	Voltage	220 / 230 / 240VAC Selectable
	Voltage Adjustment	±0%, ±1%, ±2%, ±3%
	Voltage Regulation	± 2%
	Rated Power Factor	0.7 Lagging
	Wave Form	Sine Wave, THD <3% (no load to full load)
	Frequency Stability	± 0.2% (Free Running)
	Frequency Regulation	±1%, ±3%
	Transfer Time	0 ms
	Crest Factor	3:1
	Efficiency (AC to AC, Normal)	>90%
	Efficiency (AC to AC, ECO)	>95%
	Autonomy	>8 min.
	DC Start	Yes
BATTERY	Battery Type	Separate RM Battery Cabinet 3U IP6000RTBC
	Quantity	20 pcs
	Voltage	240 Vdc
	Recharge Time	4 Hours to 90%
	Supplementary Charger	Nil
DISPLAY	LED + LCD	Utility, Battery, Inverter, Bypass, Self Test, Overload, Load / Battery Level and Fault conditions
	Self Diagnostics	
ALARMS	Audible and Visual	Line Failure, Battery Low, Transfer to Bypass, System Fault Condition
PHYSICAL	Dimension (WxDxH) (mm)	440 x 88 x 680 2U
	Input / Output / External	Hardwire
	Battery Connection	Plug-in and play
WEIGHT	Nett Weight	24 kg
MARKS		CE, cUL, UL

## System Block Diagram



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