BRITICOM
British Pride, Global Power

Redlab 1500

The absolute protector

Specifications

Capacity	1500 VA / 1500 W
Type	On-line
Input	
Nominal Voltage	230 VAC
Accepted Voltage Range	110-300 VAC ± 5% @ 50% load 160-300 VAC ± 5% @ 100% load
Nominal Frequency	50 Hz / 60 Hz (Auto Sensing)
Frequency Range	40Hz ~ 70 Hz
Power Factor	≥ 0.99 at nominal voltage (100% load)
Harmonic Distortion	≤ 5 % THD at nominal input voltage
Phase	Single phase with ground
Output	
Nominal Voltage	200*/208*/220/230/240 VAC
AC Voltage Regulation (Batt. Mode)	± 1%
Frequency Range (Batt. Mode)	50 Hz ± 0.1 Hz
Frequency Range (Synchronized Range)	47 ~ 53 Hz
Current Crest Ratio	3:1 (max.)
Harmonic Distortion	≤ 2 % THD (Linear Load) ≤ 4 % THD (Non-linear Load)
Waveform (Batt. Mode)	Pure Sinewave
Transfer Time	
AC Mode to Batt. Mode	Zero
Inverter to Bypass	Typical 4 ms
Efficiency	
AC Mode	≥ 89 % at full charged battery
To Battery Mode	≥ 88 % at full charged battery
ECO Mode	≥ 95 % at full charged battery

True double conversion

Output Power Factor 1.0

Rack/Tower design

- Pure sine wave output
- True Double Conversion
- Auto-Restart while AC is recovering
- Cold start
- Internal bypass
- Hot swappable battery design
- External battery pack (optional)
- High efficiency up to 96%
- User-friendly and easy-shift LCD
- Generator compatible
- EPO function
- Software management
- Smart battery charger design to optimize battery performance

*Derate capacity to 80% when the output voltage is adjusted to 200VAC/208VAC.

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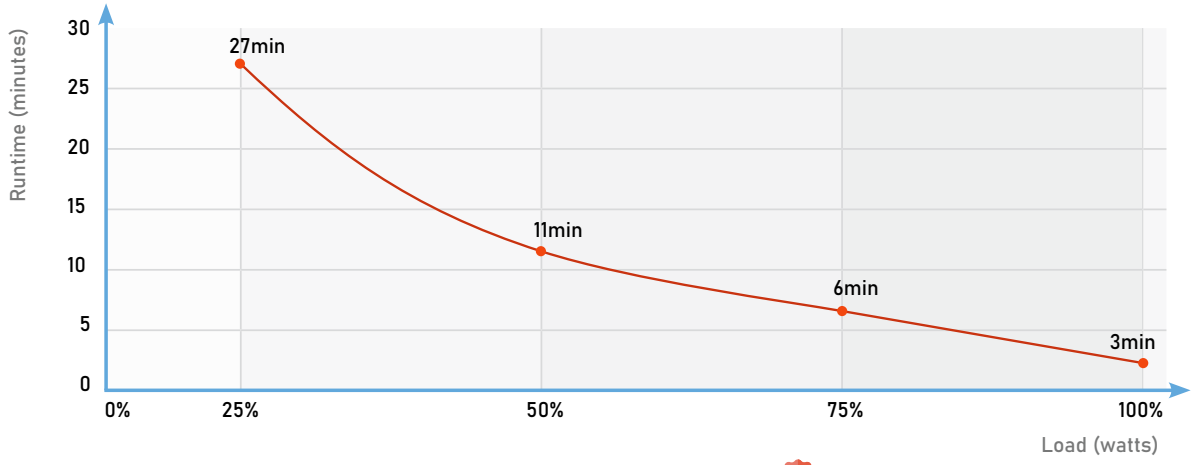
Indicators type	
LCD Display	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions
Alarm	Load Capacity, Load & Battery level, AC mode, Battery mode, Bypass mode and Fault indicators etc.
Protection	
Full protection	Overload, Discharge & Over charge protection, Input spike protection, Over-temperature
Surge rating energy	624 Joules
Outlets type	
Input/Output	2 x RJ11/45(IN/OUT) for modem/ phone/LAN surge protection
Input	1 x IEC-320 C14
Output	8 x IEC C13 (4 x Programmable power management outlets)
Battery	
Battery Type & Number	3 x HR09122F battery (included) (BTVACIUOCTD2FBT01B)
Function	Hot-swappable
Charging Current (Max.)	Default: 2A, Max: 12A (adjustable)
Charging Voltage	41.1 VDC ±1%
Typical Recharge Time	3 hours recover to 95% capacity for internal battery@ 2A charging current
Battery Compatibility	nJoy HR09122F
Running time on battery (minutes)	25% Load - 27 min 50% Load - 11 min 75% Load - 6 min 100% Load - 3 min

Environement	
Humidity	0-95 % RH @ 0-40°C (non-condensing)
Noise level	Less than 50dB
Management	
Connection port	RS232 / USB / Intelligent Port (not included in the package)
Software	
UPS only	https://www.power-software-download.com/viewpower.html
UPS with SNMP card	https://www.power-software-download.com/viewpowerpro.html
Software capability	Monitor & Control over USB, LAN and Internet (SNMP card optional)
Physical	
Product dimensions (W x D x H)	438 x 410 x 88 mm (2U)
Product weight	15.5 kg

Running time on battery



Logistics

Carton Box Size (LxWxH)	560 x 500 x 180 mm
Pieces in the Carton Box	1
Net & Gross weight / CTN	N.W.: 15.5 kg / G.W.: 17.5 kg

Certificates

RoHS 2011/65/EU CE

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Ordering Information

Use combinations of **bold** letters and numbers to create part numbers for ordering.

Range		VA Power		Typology	
AR	Aria	**10H**	1000 VA	**TO**	Tower
ED	Edoc	**15H**	1500 VA	**BR**	Brick
NE	Neek	**20H**	2000 VA	**1U**	Rack (1U)
NK	Nekot	**30H**	3000 VA	**2U**	Rack (2U)
NT	Neta	**60H**	6000 VA	**3U**	Rack (3U)
NU	Nurag	**100H**	10000 VA	**CO**	Rack (2U) / Convertible
OH	OhcePRO				
RD	Redlab				
RS	Resta				
RG	Regnar				
SU	Suroh				
UD	Udac				
▲		▲		▲	
RD	**SP**	**15H**	**15H**	**CO**	**PW**
	▼		▼		▼
Single Phase	**SP**	1000 w	**10H**	Pure Sine Wave	**PW**
3 Phase In - 3 Phase Out	**33**	1500 w	**15H**	Simulated Sine Wave	**SW**
3 Phase In - 1 Phase Out	**31**	2000 w	**20H**		
		3000 w	**30H**		
		6000 w	**60H**		
		10000 w	**100H**		
Phase		W Power		Output waveform	

Example Part Number	
Description	**Part Number**
Redlab 1500 Single Phase Rack (2U) / Convertible Pure Sine Wave UPS unit	RDSP15H15HCOPW

Redlab 1500

240.1