



R1G2-Li

1-3kVA

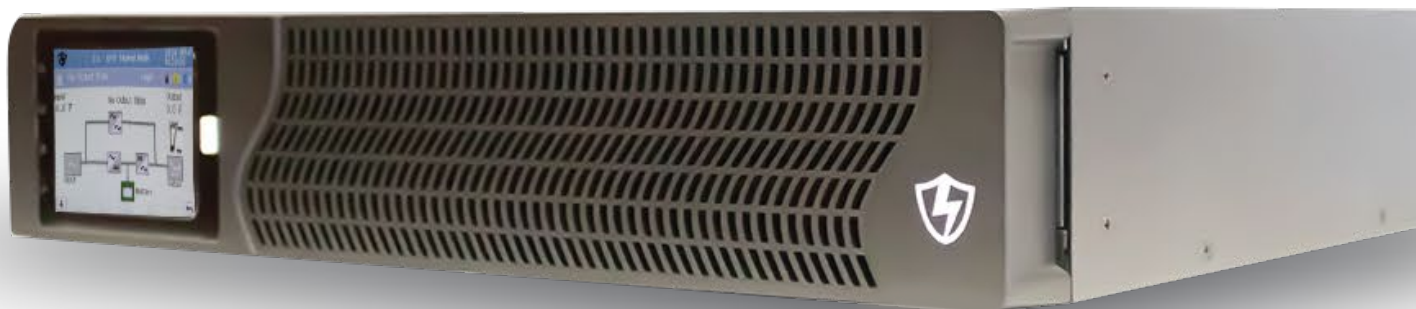


Li based internal batteries - 5 year warranty

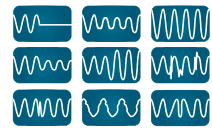
We are bringing advanced tech right to you with the Shield R1G2-Li series. With the flexible rackmount/tower design, you can use the R1G2-Li UPS in almost all applications. The highlight of the UPS is the lithium-based battery bank that comes with a range of benefits apart from its long life. The UPS also comes with additional, top of the range features such as the touch screen LCD panel, optional network card for remote monitoring, EPO functionality and integrated power outlets.

This intelligent UPS combines a unity power factor, online double conversion technology and a lithium-based battery back to give you a reliable, compact and efficient solution to your power back-up needs. The intelligent battery management systems (iBMS) ensures that your battery lasts you longer. Because of futureproof engineering and a reliable battery back-up system, these units come with a standard 5-year warranty.

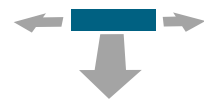
Li BASED BACK-UP UNITY POWER FACTOR TOUCH SCREEN LCD PANEL HIGH EFFICIENCY 5 YEAR WARRANTY



The Shield R1G2-Li range of UPSs is designed to give you unparalleled protection against power outages, sags, surges, under voltages, over voltages, noise, transient variations, harmonics, and frequency variations, always keeping your sensitive equipment safe.



The Shield R1G2-Li meets your demand of a high-power density power protection and back-up system. With its unity power factor design and internal Li based batteries, the UPS offers a very small footprint and a light weight for multiple deployment scenarios.



The Shield R1G2-Li UPSs come with an internal Lithium Iron Phosphate battery with a longer cycle life and higher temperature functionality. This, along with the intelligent battery management system (iBMS) ensures that the life of your UPS lasts long.



The Shield R1G2-Li UPSs high quality internal components ensure a wider input voltage that protects your unit within this voltage range without switching to battery.



The UPS has an internal automatic bypass system. Your connected equipment will still be powered in case of any minor internal faults and can be manually bypassed during system maintenance.



The cold start function on the R1G2-Li range of UPSs allows you to start the unit on battery mode independent of utility input which enables to you test your connected equipment right after installation.



The Shield R1G2-Li UPS has an emergency power off (EPO) terminal that can be wired and placed in control rooms away from the UPS. The facility administrator can shut down the system quickly in-case of an emergency.



Better power conversion in the UPSs results in high efficiency outputs hence saving you costs on unnecessary power losses. The Shield R1 UPSs can also be programmed with ECO mode which drives up the efficiency even further.



Get more real power with the Shield R1G2-Li. The UPSs are designed and built with a unity power factor which means you get full real power and can connect greater loads as compared to power factor UPSs.

1.0 PF

The Shield R1G2-Li UPSs are compatible with a range of network cards can be installed in the smart slots provided in the UPSs. With these network cards, you can remotely access the performance and parameters of your UPS. You can also set email and SNMP traps that can alert you of different trigger events.



The R1G2-Li UPS comes with a full colour, touch screen LCD panel that gives you information on the power quality going in and coming out of the UPS and gives you access to a range of settings.



5 year warranty! We are confident of our product. We warrant the product for 5 years against any manufacturing defects.



CONTINUOUS RELIABLE CLEAN POWER FOR YEARS TO COME



1. Full color touch LCD display screen
2. LFP battery compartment
3. Input power
4. Input circuit breaker
5. Output IEC outlets
6. Network card adapter
7. External battery bank input (optional)
8. RJ45 surge protector
9. Extraction fan
10. RS232 port
11. Emergency Power Off (EPO)
12. USB port



MODEL		R1G2Li1	R1G2Li1-EXT	R1G2Li2	R1G2Li2-EXT	R1G2Li3	R1G2Li3-EXT
Capacity (VA/Watts)		1000VA / 1000W		2000VA / 2000W		3000VA / 3000W	
Phase		Single phase					
Part number(Lithium)		1002-7217	1002-7692	1002-7216	1002-7698	1002-7218	1002-7702
INPUT							
Nominal Voltage		220/230/240Vac					
Operating voltage range	Low line transfer	160Vac±5% @100%~80%load (Ambient temp. <35°C)		140Vac±5% @80%~70%load		120Vac±5% @70%~60%load	
	Low line comback	175Vac±5% @100%~80%load		155Vac±5% @80%~70%load		135Vac±5% @70%~60%load	
	High line transfer	300Vac±5%					
	High line comback	290Vac±5%					
Input Voltage Range		110~300Vac @ 60% load, 170~300Vac @ 100% load					
Operating frequency range		40~70Hz					
Power Factor		≥ 0.99 @ nominal voltage(100% load)					
Generator input		Support					
OUTPUT							
Output Voltage		/220/230/240Vac					
Power Factor		1.0					
Voltage Regulation		±1%					
Frequency	Line mode (Synchronized range)	47~53Hz or 57~63Hz					
	Bat. mode	(50/60±0.1)Hz					
Crest Factor		3:1					
Harmonic Distortion (THDv)		≤2% THD (Linear load) ≤5% THD (Non-linear load)					
Waveform		Pure Sinewave					
Transfer Time	AC mode <-> Batt. Mode	Zero					
	Inverter <-> Bypass	4ms(Typical)					
EFFICIENCY							
AC Mode		88%		91%		92%	
Battery Mode		85%		87%		88%	
ECO Mode		≥ 95%		≥ 96%		≥ 97%	
Lithium BATTERY(LiFePo4)							
Battery Type		38.4V6AH	Depends on the capacity of external batteries	48V9AH	Depends on the capacity of external batteries	76.8V9AH	Depends on the capacity of external batteries
Backup time(full load)		~8min		~8min		~8min	
Charging time (recover to 90% capacity)		~ 8 hours		~ 8 hours		~ 8 hours	
Charging current(max.)		1A or 2A	12A MAX	1A or 2A	12A MAX	1A or 2A	12A MAX
SYSTEM FEATURES							
Line mode Battery mode	Ambient temp.<35°C	105%~110%: UPS transfer to bypass after 10 minutes when the utility is normal 110%~130%: UPS transfer to bypass after 1 minute when the utility is normal 130%~150%:UPS transfer to bypass after 5 seconds when the utility is normal >150%:UPS transfer to bypass immediately when the utility is normal					
	35°C<ambient Temp.<40°C	105%~110%: UPS transfer to bypass after 1 minute when the utility is normal 110%~130%: UPS transfer to bypass after 5 seconds when the utility is normal >130%:UPS transfer to bypass immediately when the utility is normal					
Short circuit		Hold whole system					
Overheat		Line mode: Switch to bypass; Backup mode: Shut down UPS immediately					
Battery low		Alarm and switch off					
EPO (optional)		Shut down UPS immediately					
Audible & Visual alarms		Line failure, Battery low, Over load, System fault					
Communication interface		RS232, USB(optional), SNMP card(optional), Relay card(optional),RJ45(optional),RJ11(optional)					
PHYSICAL							
Dimension WxDxH (mm)		440*325*86.5		440*460*86.5		440*430*86.5	
Net Weight (kg)		11.3	5.6	19.1	8.3	26.2	8.6
ENVIRONMENT							
Operating temperature		0~40°C					
Storage temperature		-25°C~ 55°C					
Humidity range		20~90% RH @ 0~40°C (Non-condensing)					