

The Shield R1 range of UPSs is the perfect solution for flexible rack or tower mount applications. Used in small to medium data centers worldwide, the Shield R1 UPSs are designed for longevity and easy deployment.

With the option of adding up to 8 external battery banks, the Shield R1 takes care of needs for both short and longer run times. The 6 and 10KVA UPSs are engineered to give out a unity power factor hence supporting more load per KVA. The Shield R1 UPSs come with intelligent charge management hence improving battery life.



- 1-3KVA UPSs are engineered with 0.9 output power factor and 6-10KVA UPSs with unity output power factor, hence giving you more real power.
- Add up to 8 external battery banks for longer run times.
- LED and LCD displays on the R1 UPSs for monitoring status of the UPS and quality or usage of power.
- C13 and C19 output ports available on all UPSs, hard wired output available for 6-10KVA UPSs.
- Optional network card allows for remote monitoring and access to full UPS diagnosis and settings.
- Flexible configuration - set it up as a rack mount UPS or use it as a tower UPS with provided mounting.
- Full Protection of overvoltage, short circuit and over temperature.
- Automatic fan speed adjustment.
- Easy parallel the 6,10KVA R1 for redundancy or twice the capacity.



Specification sheet

System model	R11Xi	R12X	R13X	R16U	R110U
System capacity	1KVA/0.9KW	2KVA/1.8KW	3KVA/2.7KW	6KVA/6KW	10KVA/10KW
Mains					
Input voltage	110VAC-288VAC				
	100% load@>176VAC; 80% load@>154VAC 70% load@>132VAC; 50% load@>110VAC			100% load@>176VAC; 90% load@>160VAC 80% load@>140VAC; 60% load@>110VAC	
Input frequency	40-70Hz				
Input frequency range	40Hz~70Hz				
Input PF	>0.97			>0.99	
Output					
Output voltage	220V/230V/240V				
Voltage regulation	1%				
Output frequency	50/60Hz				
Output PF	0.9			1	
Output THDu	THD<1% (linear load), THD<5.5% (non-linear load)				
Overload capability (Inverter mode)	105%-130%: to bypass 1 min; 150%: to bypass after 30 sec			110%:for 10 min ;125%:for 1min ; 150%:for 30 sec	
Overload capability (Battery mode)	105%-130%: shutdown after 10 sec; 150%: shutdown after 5 sec			110%: shut down after 1 min; 130%:shut down after 10 sec; >130%: shut down after 200 ms	
Crest factor	3:1				
Efficiency	87%	91%	90%	95%	
Battery					
Voltage	36VDC	72VDC	96VDC	192VDC	
System					
Display	LED + LCD				
Interface	RS232,SNMP				
Option	USB, SNMP, Dry contacts				
Environment					
Operation temperature	0 ~ 40 °C				
Storage temperature	-20 ~70 °C				
Relative humidity	0 ~ 95% Non Condensing				
Physical data					
W*D*H (mm) with batteries	440*430*86	440*480*173	440*480*173	440*480*173	
W*D*H (mm) without batteries	440*430*86	440*430*86	440*430*86	440*430*86	
Weight (kg) with batteries	11.5	25	31	59	67
Weight (kg) without batteries	7	8	9.5	17.5	20.5