

Technical Specifications:

MODEL		XRT1000-U/RM	XRT2000-U/RM	XRT3000-U/RM
Capacity (VA/Watts)		1000VA/1000W	2000VA/2000W	3000VA/3000W
Phase		Single phase with ground with		
INPUT				
Norminal Voltage		200/208/220/230/240/Vac		
Operating voltage range	Low voltage of transferring to bypass	160Vac±5%@100%~80% load 140Vac±5%@80%~70% load 120Vac±5%@70%~60% load 110Vac±5%@60%~0% load (Ambient Temp. <35C)		
	Low threshold voltage of recovering from bypass	175Vac±5%@100%~80% load 155Vac±5%@80%~70% load 135Vac±5%@70%~60% load 125Vac±5%@60%~0% load (Ambient Temp. <35C)		
	High voltage of transferring to bypass	300Vac±5%		
	High threshold voltage of recovering from bypass	290Vac±5%		
Input Voltage Range		55~150Vac or 110~300Vac @ 60% load, 80~145Vac or 160~300 @ 100% load		
Operating Frequency Range		40~70Hz		
Power Factor		0.99		
Generator Input		Support		
OUTPUT				
Output Voltage		200/208/220/230/240/Vac		
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)		
		<4% THD (Non-Linear load)		
Waveform		Pure Sineswave		
Transfer Time	AC mode <-> Batt. Mode	Zero		
	Inverter <-> Bypass	4ms (Typical)		
EFFICIENCY				
AC Mode		88%	92%	92%
Battery Mode		85%	88%	90%

BATTERY			
Battery Type	12V9AH	12V9AH	12V9AH
Numbers	2	4	6
Backup Time	Long run unit depends on the capacity of external batteries		
Typical Recharging Time (Standard Mode)	4 hours recover to 90% capacity		
Charging Voltage	27.4VDC±1%	54.7VDC±1%	82.1VDC±1%
Charging Current (Max.)	1A or 2A	1A or 2A	1A or 2A
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 10 minutes when the utility is normal 110%~130%: UPS transfer to bypass after 1 minute 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; Back up mode: Shut down UPS immediately		
Battery Low	Alarm and switch off		
EPO (Optional)	Shut down UPS immediately		
Audible & Visual Alarms	Line failure, Battery low, Overload, System fault		
Communication Interface	USB, RS232, SNMP card (optional), Relay card (optional)		
PHYSICAL			
Dimension W x H x D (mm)	440 x 305 x 86.5	440 x 460 x 86.5	440 x 600 x 86.5
Net Weight (kg)	11.3	19.1	26.2
ENVIRONMENT			
Operating Temperature	0~40 C		
Storage Temperature	-25 C~55 C		
Humidity Range	20~90% RH @ 0~40 C (Non-Condensing)		
Altitude	<1500m		
Noise Level	Less than 50dBA at 1 meter		
STANDARDS			
Safety	IEC/EN62040-1, IEC/EN60950-1		
EMC	IEC/EN62040-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8		

8 Minutes Backup Time Standard Units

MODEL	XRT1000-U/RM	XRT2000-U/RM	XRT3000-U/RM		
Capacity (VA/Watts)	1000VA/900W	2000VA/1800W	3000VA/2700W		
Phase	Single phase with ground				
BATTERY					
Battery Type	12V9AH-9S	12V9AH	12V9AH		
Backup Time	8 mins				
Typical Recharging Time (Standard Mode)	8 hour recover to 90% capacity				
Charging Voltage	27.4VDC ± 1%	54.7VDC ± 1%	82.1VDC ± 1%		
Charging Current (Max.)	1A / 2A	1A / 2A	1A / 2A		
PHYSICAL					
Dimension W x D x H (mm)	440 x 430 x 86.5	440 x 435 x 86.5 (UPS)	440 x 435 x 86.5 (EBP)	440 x 435 x 86.5 (UPS)	440 x 578 x 86.5 (EBP)
Net Weight (kg)	18.2	9.2	26.7	9.8	34.7

System Specifications XRT 1-3K-U/RM

MODEL	XRTBP15-U/RM	XRTBP3-U/RM
Battery Type	Sealed, Maintenance Free, Value Regulated, Lead Acid	
Typical Recharge Time	6 - 8 hours (to 90% of full capacity)	
Typical Battery Life	3 - 5 years, depending on discharge cycles and ambient temp	
System Voltage	36VDC	72VDC
Charging Current (Max)	1.4A	
Battery Quantity	6	12
Capacity (Standard Unit)	7Ah/9Ah (12V)	
Battery Cable Type	Premolded #12AWG	
ENVIRONMENT		
Operating Temperature (Max)	0 to 40 C	
Operating/Storage Humidity	0~90% Non-Condensing	
PHYSICAL		
Size - Net W x D x H (mm)	440 x 430 x 86.5	440 x 720 x 86.5
Weight - Net (kg)	22.5	41.1