



ANVEL RACK TOWER-PRO SERIES

1kVA ~ 3kVA

ANVEL
POWER

ANVEL RACK TOWER-PRO

Power range : 1kVA~3kVA



3 kinds of LCD can be selected



Colourful LCD



Grey LCD



Blue LCD



Battery Cabinet
(Optional)



Optimized Battery
Configuration 7Ah/9Ah (12V)

FEATURES



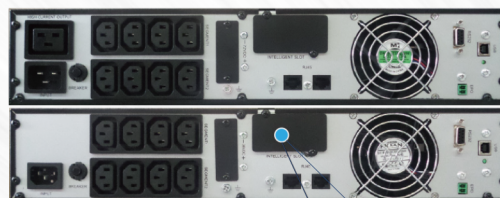
- ✓ Rack/Tower Convertible Design
- ✓ Online double conversion with full digital control
- ✓ Wide input voltage range: 110~300Vac
- ✓ Input power factor 0.99 with PFC
- ✓ Selectable output voltage: 208/220/230/240Vac
- ✓ Smart charger design for optimized battery performance
- ✓ Maximum charging current can be expanded to 12A (Long run unit)
- ✓ Emergency power off function (EPO)
- ✓ ECO mode operation for energy saving
- ✓ Generator compatible
- ✓ Hot-Swappable battery design
- ✓ Cold start
- ✓ Intelligent fan speed regulation
- ✓ Load segment settable (Optional)
- ✓ Versatile LCD human-computer interface
- ✓ Multiple communication interface:
RS232 (USB/EPO/Relay card /SNMP card optional)
- ✓ Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm



Multifunctional
Bracket



The LCD panel can
be rotated



Optional Socket



Relay Card



SNMP

TECHNICAL SPECIFICATIONS

MODEL		AP RT 1K B		AP RT 2K B		AP RT 3K B	
Capacity		1000VA / 900W		2000VA / 1800W		3000VA / 2700W	
INPUT							
Nominal voltage		208/220/230/240Vac					
Input voltage range		110~300Vac (176~280Vac @ 100% load)					
Power factor		≥0.99					
FREQUENCY							
Frequency range		40~70Hz (50/60Hz Auto-Sensing)					
OUTPUT							
Output voltage		208/220/230/240Vac					
Voltage regulation		±1%					
Power factor		0.9					
Output frequency	Line Mode	46~54Hz or 56~64Hz					
	Bat. Mode	(50/60±0.1%)Hz					
Crest factor		3:1					
Harmonic distortion (THDv)		≤3% Linear load		≤5% Non linear load			
Transfer Time	AC mode to Bat.Mode	0ms					
	Inverter to Bypass	4ms (Typical)					
Output waveform		Pure Sinewave					
EFFICIENCY							
AC mode		89%		91%		92%	
Battery mode		85%		87%		88%	
BATTERY							
Battery number		2	3	4	6	6	
Capacity (Standard unit)		9Ah/12V					
Typical recharging time		4 hours (to 90% of full capacity)					
Charging voltage		27.4Vdc±1%	41.1Vdc±1%	54.8Vdc±1%	82.2Vdc±1%	82.2Vdc±1%	
Charging current (Max)		1A		1A		1A	
INDICATORS							
LED display		Line mode,Bat.mode,ECO mode,Bypass mode,Battery low voltage,Overload & UPS fault					
LCD display		Input voltage,Input frequency,Output voltage,Output frequency,Load percentage, Battery voltage,Inner temperature& Remaining battery backup time					
ALARM							
Battery mode		Beeping every 4 seconds					
Battery low		Beeping every seconds					
Overload		Beeping twice every second					
Fault		Continously beeping					
PHYSICAL							
Dimension W x D×H (mm)		440 x 460 x 86.5		440 x 460 x 86.5		440 x 600 x 86.5	
Net weight (kg)		14		19.5		26	
ENVIRONMENT							
Operating temperature		0°C~40°C					
Storage temperature		-25°C~55°C					
Humidity range		20~95%RH @ 0~40°C (Non condensing)					
Altitude		<1500m,derating required when>1500m					
Noise level		<50dB at 1 Meter					
STANDARDS							
Safety		IEC/EN62040-1,IEC/EN62477-1					
EMC		IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4,IEC61000-4-5,IEC61000-4-6,IEC61000-4-8					

AP BR 1-3KVA BATTERY PACK SPECIFICATION

MODEL	AP BR04024C	AP BR08048C	AP BR12072C
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BATTERY SYSTEM

Battery type	VRLA (Lead acid maintenance free battery)		
Typical battery recharging time	6~8 hours (to 90% of full capacity)		
Typical battery life	3~5 years, depend on discharging cycle and ambient temperature		
System voltage	24Vdc	48Vdc	72Vdc
Charging current (Max)	1.4A		
Battery quantity	4	8	12
Capacity	9Ah/12V (7Ah/12V optional)		

PHYSICAL

Dimension W x D x H (mm)	440 x 430 x 86.5	440 x 550 x 86.5	440 x 710 x 86.5
Net weight (kg)	17.4	31.5	44

ENVIRONMENT

Safety	CE
Operating environment	0°C~40°C
Relative humidity	0~95% (Non condensing)
Noise level	<40dB at 1 Meter

Specifications are subject to change without prior notice.

Remark: AP BR08048C "AP" means series; "BR" means Battery Rack; "08" means battery number inside the Rack; "048" means the battery system voltage; "C" means the Rack coming with charger.



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