



# ANVEL RACK TOWER-PRO SERIES

## 6kVA ~ 10kVA

**ANVEL**  
POWER

# ANVEL POWER-PRO SERIES

Power range : 6kVA~10kVA



## 3 kinds of LCD can be selected



Colourful LCD



Grey LCD



Blue LCD



Battery Cabinet  
(Optional)



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

## FEATURES



- ✓ High power density
- ✓ LCD supports Rack/Tower convertible design
- ✓ N+X parallel redundancy, support maximum 4 units in parallel
- ✓ Online double conversion with full digital control
- ✓ Optimization battery group, the quantity of battery: 16/18/20pcs (Settable)
- ✓ Wide input voltage range: 110~286Vac
- ✓ Wide input frequency range
- ✓ Generator compatible
- ✓ ECO mode operation for energy saving
- ✓ Self-testing when UPS startup
- ✓ Multiple communication interface: RS232/USB/EPO (Relay card /SNMP card optional)
- ✓ Parallel kit default
- ✓ Maximum charging current up to 10A
- ✓ Cold start
- ✓ Intelligent fan speed regulation
- ✓ Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm



Parallel board



Relay card



SNMP



Multifunctional  
Bracket



The LCD panel can  
be rotated

# TECHNICAL SPECIFICATIONS

MODEL		AP RT 6K		AP RT 10K	
Capacity		6000VA / 5400W		10000VA / 9000W	
INPUT					
Nominal voltage		208/220/230/240Vac			
Input voltage range		110~286Vac			
Power factor		≥0.99			
Bypass voltage range		Max.voltage:220V:±25% (Optional+10%,+15%,+20%) 230V:±20% (Optional+10%,+15%,+20%) 240V:±15% (Optional+10%)		Min.voltage:−45% (Optional−20%,−30%)	
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	±1%/±2%±/±4%/±5%/±10% of the rated frequency (Optional)			
	Bat. Mode	(50/60±0.1%)Hz			
Crest factor		3:1			
Harmonic distortion (THDv)		≤2% Linear load		≤5% Non linear load	
Transfer Time	AC mode to Bat.Mode	0ms			
	Inverter to Bypass	0ms			
Output waveform		Pure Sinewave			
Overload	Line Mode	Load≤110% last 60min; ≤125% last 10min; ≤150% last 1min; >150% turn to bypass mode immediately			
	Bypass Mode	40A (Breaker)		63A (Breaker)	
Efficiency		94%			
BATTERY					
Battery voltage		±96/±108/±120Vdc (Adjustable)	±120Vdc	±96/±108/±120Vdc (Adjustable)	±120Vdc
Capacity (Standard unit)		9Ah/12V (7Ah/12V optional)			
Typical recharging time		6~8 hours (to 90% of full capacity)			
Charging current		1A (Standard unit); Long run unit Max.current 10A (Charging current can be set according to battery capacity)			
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 x H (mm)		440 x 625 x 86.5			
Net weight (kg)		16		18	
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		<58dB 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 6–10KVA BATTERY PACK SPECIFICATION

## MODEL

AP BR20120N

### 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	±120Vdc
Battery quantity	1* ±10 PCS
Capacity	7Ah/9Ah (12V)

### PHYSICAL

Dimension W x D x H (mm)	440 x 680 x 131 (3U)
Net weight (kg)	58/63

### 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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