

# VIGOR PLUS RT

6 kVA ~ 10 kVA  
PF 0.9



## Features

- Rack / Tower design
- High frequency and true double-conversion
- DSP digital control technology
- Input power factor correction (PFC)
- Wide input voltage range (110 V ~ 300 V)
- Output power factor 0.9
- Cold start
- Auto sensing frequency
- ECO mode operation for energy saving
- Selectable output voltage via LCD
- 50 Hz / 60 Hz frequency conversion mode
- Selectable battery low voltage via LCD
- Power-on self test
- Advanced battery management (ABM)
- Short circuit and overload protection
- Automatic charging in OFF mode
- Fan speed auto control when temperature varies
- Standard RS232 communication port and RJ45 protection
- Optional USB / SNMP communication port
- Optional emergency power off (EPO)
- Optional extension battery bank
- Optional N+X redundancy parallel

## Rear Panel

1. AC Input
2. DC Input
3. Outlet
4. Fan
5. RS232
6. USB (Optional)
7. EPO (Optional)
8. SNMP/AS400 (Optional)
9. Parallel Card (Optional)



Specifications

MODEL	VIGOR+ 6 RT	VIGOR+ 10 RT	
Capacity	6 kVA / 5400 W	10 kVA / 9000 W	
<b>INPUT</b>			
Rated voltage	208 V / 220 V / 230 V / 240 Vac		
Voltage range	110 ~ 160 Vac (linear derating between 50% and 100% load); 160 ~ 280 Vac (no derating); 280 ~ 300 Vac (derating 50%)		
Frequency	40 ~ 70 Hz ± 0.5% (auto-sense)		
Power factor	≥ 0.99		
Bypass voltage range	- 40 ~ +15% (settable)		
<b>OUTPUT</b>			
Voltage	208 V / 220 V / 230 V / 240 Vac (settable via LCD)		
Voltage regulation	± 1%		
Frequency	Synchronized with utility in mains mode; 50 / 60 Hz ± 0.2 Hz in battery mode		
Waveform	Sinusoidal		
Crest factor	3:1		
Harmonic distortion	≤ 2% (linear load); ≤ 5% (non-linear load)		
Transfer time	Mains mode to battery mode: 0 ms; Inverter mode to bypass mode: 0 ms		
Overload	105% ~ 125% for 3 min, 125% ~ 150% for 30 s, >150% for 0.5 s		
<b>EFFICIENCY</b>			
Mains mode	≥ 93%		
Battery mode	≥ 91%		
ECO mode	≥ 98%		
<b>BATTERIES</b>			
DC voltage	192 V		
Inbuilt battery of standard model	16 × 7 Ah	16 × 9 Ah	
Charging current	Standard model	1 A	
	Long time model	1 A / 3 A / 5 A / 8 A	
Recharge time	8 h		
<b>ALARMS</b>			
Utility failure	4 s per beep		
Low battery	1 s per beep		
Overload	1 s twice beep		
UPS fault	Long beep		
<b>OTHERS</b>			
Communications	RS232 (standard), USB / SNMP (optional)		
Humidity	20 ~ 90% RH @ 0 ~ 40°C (non-condensing)		
Noise level	≤ 55 dB (1 m)		
Long time model	Dimensions (W × D × H) (mm)	440 × 580 × 132 (UPS)	
	Packaged dimensions (W × D × H) (mm)	530 × 703 × 227 (UPS)	
	Net / Gross weight (kg)	16.4 / 20.7	
Standard model	Dimensions (W × D × H) (mm)	440 × 580 × 132 (UPS), 440 × 580 × 132 (BAT)	
	Packaged dimensions (W × D × H) (mm)	530 × 703 × 227 (UPS), 530 × 703 × 227 (BAT)	
	Net / Gross weight (kg)	16.4 / 20.7 (UPS)	17.1 / 21.4 (UPS)
		43.6 / 47.1 (BAT)	49.6 / 53.1 (BAT)

- Derate capacity to 70% in CUCF mode and to 90% when the output voltage is adjusted to 208 Vac.
- All specifications subject to change without notice.
- Custom-made specifications are acceptable.