

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	
INPUT					
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)			
OUTPUT					
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			
EFFICIENCY					
Mains mode		≥ 93%			
Battery mode		≥ 91%			
ECO mode		≥ 98%			
BATTERIES					
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			
ALARMS					
Utility failure		4 s per beep			
Low battery		1 s per beep			
Overload		1 s twice beep			
UPS fault		Long beep			
OTHERS					
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		17.1 / 21.4	
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) 43.6 / 47.1 (BAT)		17.1 / 21.4 (UPS) 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.