



VIRA E 100R Series

E 100R Series Technical Specifications  
6-10 kVA 1 Phase Input - 1 Phase Output (HF) Rack Type Online UPS



MODEL	E 100R 106	E100R 110
Rated Power (kVA)	6	10
Active Power (kW)	5,4	9
<b>INPUT</b>		
Rated Voltage	220/230/240 Vac (1P+N+PE)	
Voltage Range	120 ~ 276 Vac	
Operating Frequency Range	50 Hz: 45-55 Hz; 60 Hz: 54-66 Hz (Auto Sensing)	
Power Factor	≥ 0,99	
Bypass Voltage Range	Max. Voltage: 220Vac: +25% (optional +10%, +15%, +20%) 230Vac: +20% (optional +10%, +15%) 240Vac: +15% (optional +10%) Min. Voltage: -45% (optional -20%, -30%)	
ECO Range	Same as the Bypass	
Harmonic Distortion (THDi)	<3% (100% Linear load)	
Generator Input	Yes	
<b>OUTPUT</b>		
Rated Voltage	220/230/240 Vac (1P+N+PE)	
Voltage Regulation	±2%	
Frequency	±1%/±2%/±4%/±5%/±10% of the Rated Frequency (Optional)	
Waveform	Pure Sine Wave	
Voltage Distortion (THDv)	≤ 2% (Linear Load); ≤ 5% (Non-Linear Load)	
Power Factor	0,9	
Crest Factor	3 : 1	
Efficiency	>93,5%	
<b>SYSTEM FEATURES</b>		
UPS Type / Technology	Rack Type / True Online Double Conversion	
Transfer Time	Mains to Battery: 0 ms; Mains to Bypass: 0 ms	
Overload Capability	Line Mode: Load ≤110%: 60min; ≤125%: 10min, ≤150%: 1min, >150% turn to bypass mode immediately Bypass Mode: 40A (Breaker) / 60A (Breaker)	
Short Circuit	Hold Whole System	
Overheat	Line Mode: Switch to Bypass; Backup Mode: Shut down UPS immediately	
Low Battery Voltage	Alarm and Switch Off	
Battery	Advanced Battery Mangement	
LED & LCD Display	Line Mode, Batt. Mode, Eco Mode, Bypass Mode, Battery Low, Overload & UPS Fault	
LCD Display	Input Voltage, Input Frequency, Output Voltage, Output Frequency, Load Percentage, Battery Voltage, Inner Temperature & Remaining Battery Backup Time	
Self - Diagnostics	Upon Power On and Software Control	
Communication Interface	Paralel Port, USB (or RS-232), SNMP Card (optional), Relay card (optional)	
EPO (Optional)	Shut Down UPS Immediately	
<b>BATTERY</b>		
Battery Voltage	192 & ±96/108/120Vdc (Optional)	
Typical Re-Charge Time	6-8 Hours (to 90% of full capacity)	
Charge Current	Maximum Current 6A(Standard unit); Long run unit max. current 10A(can be set according to battery capacity installed)	
<b>ENVIRONMENT</b>		
Operating Temperature	0°C ~ 50 °C	
Storage Temperature	-25°C ~ 55°C	
Relative Humidity	0-95% (Non-Condensing)	
Altitude	< 1500m	
Audible Noise	< 55 dBA	
<b>STANDARDS</b>		
LVD (Safety)	IEC/EN 62040-1/IEC/EN 60950-1	
EMC	IEC/EN62040-2/IEC61000-4-2/IEC61000-4-3/IEC61000-4-4/IEC61000-4-5/IEC61000-4-6/IEC61000-4-8	
<b>PHYSICAL</b>		
Dimensions (WxDxH) [mm]	443x580x131 (3U)	
Weight [kg]	23	25

- راه اندازی خودکار در زمان برگشت برق
- حفاظت تمام اتوماتیک
- سیستم مدیریت پیشرفته باتری و شارژر
- نرم افزار قدرتمند مدیریت یو پی اس
- قابلیت تنظیم ولتاژ خروجی
- قابلیت اتصال به ژنراتور

- کنترل هوشمند توسط سیستم DSP
- ضریب توان ورودی بالا
- دامنه وسیع ولتاژ ورودی
- بای پس اتوماتیک
- قابلیت راه اندازی بدون برق شهر
- نمایشگر LCD
- کارایی بسیار بالا