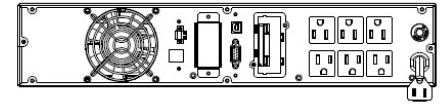
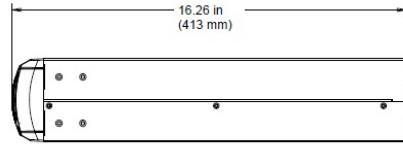
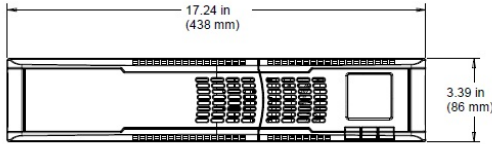
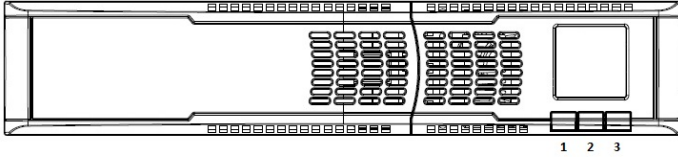


## Sinergy III Series UPS 1000 VA Low Voltage



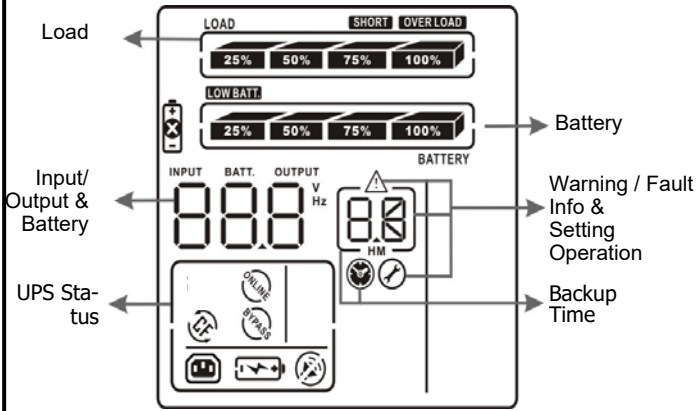
|  |  |
|--|--|
| Model<br>Part Number                     | ACDEF1000-11<br>17101-01R  |
| Type                                     | Sinergy III  |
| Power Rating                             | 1000 VA / 900 W  |
| Topology                                 | On-Line Double Conversion  |
| Heat Dissipation (BTU/Hour)              | 520 at 100% Load   |
| Input Voltage (Nominal)<br>Voltage Range | 100-120 VAC<br>90-150 VAC  |
| Input Frequency                          | 50/60 Hz ±4<br>(Auto Sense on Start-Up)  |
| Input Power Factor                       | >0.95  |
| Input Current THD                        | <9.0%  |
| Efficiency                               | >84.0%   |
| Output Voltage                           | 120 VAC (Default)<br>100/110/115 VAC (Selectable)  |
| Output Current                           | 8.3 A (Default)<br>8.0/8.2/8.3 A (Selectable)  |
| Voltage Regulation                       | ±1.0%  |
| Overload<br>Online Mode                  | 100-105%: Continuous; Warning Only<br>105-130%: 2 Minutes<br>130-200%: 10 Seconds<br>>200%: 250 Milliseconds |
| Overload<br>Battery Mode                 | 100-105%: Continuous; Warning Only<br>105-130%: 10 Seconds<br>>130%: 250 Milliseconds                        |
| Overload<br>Bypass Mode                  | 100-110%: Continuous; Warning Only<br>110-120%: 30 Minutes<br>120-130%: 10 Minutes<br>>130%: 1 Minute        |
| Battery Voltage (Float / Nominal)        | 27.4/24.0 VDC  |
| Charger Current                          | 1.0 A  |
| Backup Time (Full Load)                  | >3.5 Minutes   |
| Communications Interface                 | USB / RS-232   |
| Shipping Weight                          | 37.0 lbs. / 16.8 kg.   |

**Front Panel Controls**



1. ON / MUTE - UP KEY (Previous Selection)
2. SELECT - DOWN KEY (Next Selection)
3. OFF / ENTER - CONFIRM KEY

**Front Panel Display**



**Rear Panel Information and Controls**

- 6 Foot Line Cord with NEMA 5-15P
- (3) NEMA 5-15R Direct
- (3) NEMA 5-15R Programmable
- USB & RS-232 Communication
- SNMP Adapter (Optional)
- Internal Relay Contact Card (Optional)
- Circuit Breaker

**Internal Batteries**

- User Hot-Swappable (See Instruction Manual)
- Type - 12 V, 9.0 AH
- Quantity - 2 Batteries
- Recharge time - 12 Hours to 100%

**Environmental**

- Temperature: 0 to 40°C (32 to 104°F) Operating  
-20 to 50°C (-40 to 122°F) Shipment, Storage
- Humidity: <90% Non-Condensing (Operating, Shipment, Storage)
- Altitude: <1000m Operating, No De-Rating  
>1000m De-Rate Output 1% per 100m

**Safety Agency and EMC Compliance**

All units are listed by UL, and marked with the UL/cUL marking.

**Product Listings**

- UL1778
- cUL to CSA22.2 No.107.1

**Product Compliances**

- FCC Part 15J Class A
- IEC61000-4-2, Electrostatic Discharge
- IEC61000-4-3, Radiated Electromagnetic Field Immunity
- IEC61000-4-4, Electrical Fast Transient/Burst Immunity
- IEC61000-4-5, Surge Immunity
- IEC61000-4-6, CS
- IEC61000-4-8, Power Frequency Magnetic Field
- IEC61000-2-2, Low Frequency Signal
- RoHS

**Warranty/Support:** Sinergy III Series products (hereafter referred to as "Product") are warranted to be free from defects in material and workmanship for **two (2) years** from date of shipment from POWERVAR, on the chassis & electronic components and **two (2) years** from date of shipment from POWERVAR on the batteries. This warranty is limited to repairing, replacing, or refurbishing, at POWERVAR's option, any defective component, circuit board or module within the Product. This warranty will include, at POWERVAR's sole discretion, on-site service or POWERVAR depot service. See the Limitations of Warranty section below for additional limitations & exclusions.

**Battery Life Disclaimer:** POWERVAR's standard battery warranty applies only to UPS and UPM products which are continuously connected to AC mains power, except during utility power outages. Products which are regularly and intentionally disconnected from AC mains power will experience battery discharge/charge cycles potentially far more numerous than those for which the battery was designed. As a result, products used in such applications will experience substantially reduced battery life. For that reason, POWERVAR's standard battery warranty does not apply for applications in which the UPS or UPM product is regularly and intentionally disconnected from AC mains power. POWERVAR UPS and UPM products used in such applications shall receive a 90 day warranty on batteries.