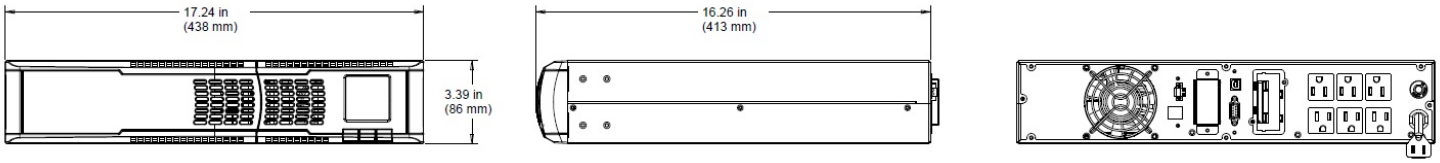
Sinergy III Series UPS
700 VA Low Voltage

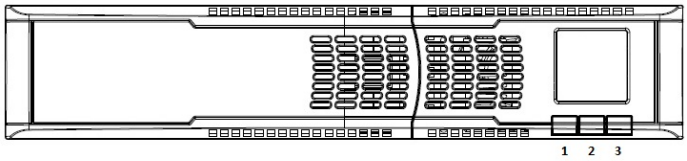


Model Part Number	ACDEF700-11 17071-01R
Type	Sinergy III
Power Rating	700 VA / 630 W
Topology	On-Line Double Conversion
Heat Dissipation (BTU/Hour)	409 at 100% Load
Input Voltage (Nominal) Voltage Range	100-120 VAC 90-150 VAC
Input Frequency	50/60 Hz ±4 (Auto Sense on Start-Up)
Input Power Factor	>0.95
Input Current THD	<9.0%
Efficiency	>84.0%
Output Voltage	120 VAC (Default) 100/110/115 VAC (Selectable)
Output Current	5.8 A (Default) 7.0/6.3/6.1 A (Selectable)
Voltage Regulation	±1.0%
Overload Online Mode	100-105%: Continuous; Warning Only 105-130%: 2 Minutes 130-200%: 10 Seconds >200%: 250 Milliseconds
Overload Battery Mode	100-105%: Continuous; Warning Only 105-130%: 10 Seconds >130%: 250 Milliseconds
Overload Bypass Mode	100-110%: Continuous; Warning Only 110-120%: 30 Minutes 120-130%: 10 Minutes >130%: 1 Minute
Battery Voltage (Float / Nominal)	27.4/24.0 VDC
Charger Current	1.0 A
Backup Time (Full Load)	>5.7 Minutes
Communications Interface	USB / RS-232
Shipping Weight	37.0 lbs. / 16.8 kg.

POWERVAR
Solutions for Power Quality®

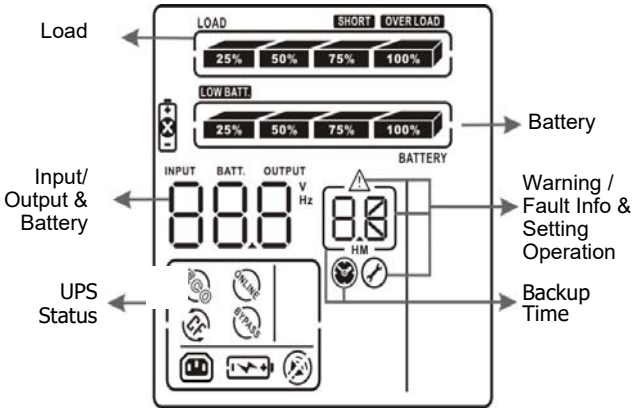
AMETEK®

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^{0}C (32 to 104^{0}F) Operating
  -20 to 50^{0}C (-40 to 122^{0}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.

POWERVAR, Inc. - 1450 Lakeside Drive, Waukegan, IL 60085
POWERVAR, Ltd. - Unit 5 Birch, Kembrey Park, Swindon, Wiltshire, UK SN2 8UU