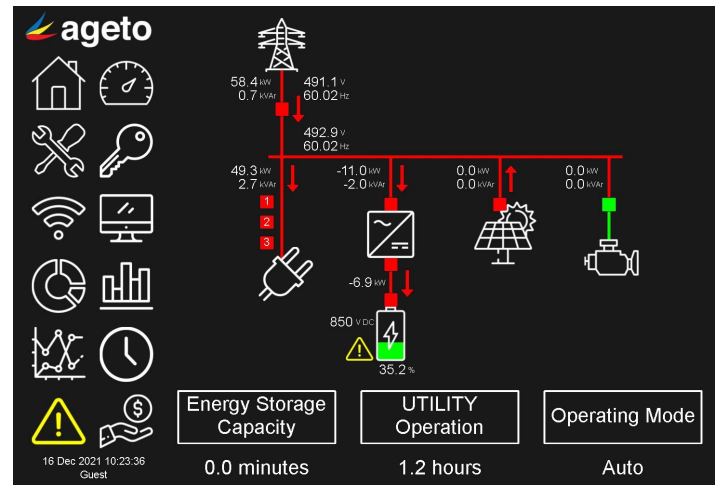


Ageto Renewable Controller™ (ARC) Microgrid Controller

Product Description

The Ageto ARC Microgrid Controller is a robust, reliable and highly flexible control solution designed to amplify the value of your energy-resources in three-phase behind-the-meter and off-grid microgrid installations.

Our energy-resource agnostic controller acts as the single interface for your entire system, providing autonomous system control and optimization, data collection and visualization, alarm handling, and countless other features designed to ease the operation and maintenance of these complex and capital-intensive systems. ARC maximizes clean, renewable energy by seamlessly integrating and optimizing conventional and renewable energy resources.



ARC user interface overview

Energy management at your fingertips



Product Features

- Energy Resource Agnostic
- Demand Charge Management
- Time-of-Use Arbitrage
- Resilient Backup Power
- Load Management/Shedding
- Storage/Generator paralleling
- Cycle Charging
- Customer Dashboard
- Secure Remote Visibility
- Historian and Trending
- Data Aggregation and Visualization
- Alarm Management
- SMS/Email Notifications

The Ageto Difference

The microgrid experts at Ageto are committed partners calling on decades of storage and generator experience to exceed project expectations. The ARC controller is an intuitive and operator focused control solution performing under the most demanding conditions and applications where power reliability is critical.

Ageto Renewable Controller (ARC) - Technical Specifications



Cabinet Data	
External dimensions (height x width x depth)	500 mm x 500 mm x 300 mm (19.7" x 19.7" x 11.8")
Mounting dimensions (height x width)	460 mm x 460 mm (18.1" x 18.1")
Mounting style	Wall-mount
Cable entry (width x depth)	Metal gland plate 303 mm x 113 mm (11.9" x 4.4")
NEMA rating	NEMA 3R
Weight	31 kg (68 lb)
Power Supply	
Voltage	100 - 240V AC single phase
Frequency	50/60 Hz
Current Requirement	2A @ 120V AC
Wire Gauge	14 AWG
Climate Limit	
Operating Temperature Range	-20 to +55°C (-4 to +131°F)
Humidity, non-condensing	5 - 95% RH
Altitude Limit	3000 m (9,842 ft)
Communication	
8 port unmanaged switch	6 available ports
Remote Communications	Ethernet Cellular
External Communication Interfaces	Modbus RS485 Modbus TCP DNP3 REST API
User Interface	
Screen size	15" viewable
Touchscreen	IP 66 400 cd/m ² luminance Sunlight-readable
Resolution	1024 x 768

Ageto Renewable Controller (ARC) - Energy Resources



ARC has been validated with the following energy resources, allowing a quick and easy configuration for projects. Ageto is continually adding new energy resources and is able to validate other vendors not currently listed.



Energy Storage Inverter

- ABB TLE UPS
- Delta PCS 125
- Delta E30-TL
- Dynapower BTM-250
- Dynapower CPS-i1500
- Dynapower MPS-125 EHV
- Dynapower MPS-i125 EHV
- Dynapower MPS-250
- EPC Power DG LC12/3
- EPC Power PD 250-500/AC
- Ideal Power 30C3
- OzTek OZpcs-RS40
- Princeton Power GTIB-480-125
- Sinexcel PWS2-30K-NA
- Tesla Megapack



Power Meter

- AccuEnergy Acuvim II
- AccuEnergy Acuvim-L
- AccuEnergy AcuDC 240
- DENT PowerScout 3037
- eGauge Core
- Measurlogic DTS 307/310
- Schneider PowerLogic PM5000/8000
- Schneider PowerLogic ION9000
- Shark 100/200
- WattNode WNC/RWNC
- WattsOn UPT



Battery Management System

- Amber Kinetics FMS
- Avalon AFB2/AFB3
- Blue Planet Energy Blue Ion LX
- Energport L-3060/6060
- KORE Mark 1
- LG Chem BMS
- Powin Energy bp-OS
- Samsung P3/E3
- Toshiba LTO
- UET ReFlex BMS



Generator Controller

- Basler DGC-2020
- Caterpillar EMCP 4.x
- ComAp IntelliGen NT
- CRE Gensys 2.0
- DeepSea 7310
- DeepSea 8610
- DeepSea 8610 MKII
- DEIF AGC
- ComAp IntelliSys NT
- Woodward easYgen-2500/3000

Protective Relay



- SEL-351S
- SEL-547
- SEL-751



PV String Inverter

- Chint 50/60 KTL
- Huawei SUN2000
- SMA CORE1
- SMA Tripower
- SolarEdge SExxKUS
- Solectria PVI xxTL
- SMA PEAK3



Weather Station

- Hukseflex SR05-D1A3
- RainWise PVmet 150
- RainWise PVmet 200
- RainWise PVmet 500
- Atonometrics RC18
- Campbell Scientific CRxxx*
- Columbia Weather Solar 1*
- Gill MetPak*



I/O Module

- Control by Web WebRelay-Quad
- Control by Web X-418
- Control by Web X-420
- Moxa ioLogik E1210
- Moxa ioLogik E1214



Wind Turbine

- Bergey Excel 15

*in development