



UniC AG440

High-Performance New All-in-one C&I Solution



50%
Energy
Density

Items	Internal Inverter&2h System	Internal Inverter&4h System	External Inverter&2h System	External Inverter&4h System
Module Configuration	530Ah, 1P52S*5S			
System Configuration	220kW/440.96kWh	110kW/440.96kWh	184kW/440.96kWh	92kW/440.96kWh
Rated AC Voltage	3P4W, 400V		3P3W, 400V	
Rated Frequency	50Hz / 60Hz			
Frequency Range	47.5 - 52.5Hz / 57.5 - 62.5Hz		45 Hz - 65 Hz	
Max. Charge/Discharge Power	0.5CP/0.5CP	0.25CP/0.25CP	0.5CP/0.5CP	0.25CP/0.25CP
Max. AC Current	349.3A	174.6A	292.1A	146A
Backup Function(Black Start)	Yes		No	
THDv	≤3%		≤3%	
Cooling Mode	Pack: Liquid Cooling; PCS: Air Cooling			
Operation Temperature	-25°C~55°C (> 45°C Derating)			
Operating Humidity	5%~95%RH (No Condensation)			
IP Rating	IP55			
Corrosion Rating	C4-M (C5-M Optional)			
Altitude	3000m (> 2000m Derating)			
Weight	~5000kg		~4950kg	
Dimension	W1470*H2490*D1500mm			
Noise	65dB			
PCS Installation Method	Factory Assembly, Integrated		On Site Assembly, External Mounted	
Interfaces	Ethernet, RS485			
Certification	IEC62619, IEC62477, IEC62109, IEC62933, ISO13849 PL c,UL9540A, IEC61000-2-4, UN38.3, EU Battery Law			
Grid Codes	Germany(VDE4105/4110/4120), Italy, Spain, Poland, UK, Greece, Norway, Sweden, Finland, Netherlands, Bulgaria, Belgium, Israel, Australia		Germany(VDE4105/4110/4120), UK, Greece, Norway, Netherlands, Sweden, Bulgaria, Belgium	
FFS	Smoke sensor, Heat sensor, Gas sensor, Audible & Visual alarm; Aerosol, Water port; Ventilation system, Explosion venting panel			



On/Off-Grid Ready



2H/4H Compatible



10,000 Cycles



Local Inverter

UniC AG440

High-Performance New All-in-one C&I Solution



10,000
cycle
Long Life



↑25%
Throughput
Over Full Lifespan



↑50%
Higher Energy Density
vs. 200kwh Units



50%
Less Floor Space
for the Same Capacity

APPLICATION SENARIOS



 Micro-Grid



 Manufacturing Plants



 Retail & Supermarket



 Logistics Centers



 Public Facility

Certified System-Level Safety

- PPB Level Cell Safety Failure Rate
- Reinforced Electric and Mechanical Design
- Multi-level Fire Protection: Explosion Venting + Aerosol + Water Spray
- UL9540A System-level Thermal Runaway Tested

Ultimate Flexibility

- Dual-inverter Design, 2H & 4H Compatible
- Compatible with Local Inverters
- Scale Up to **45 Units**, ~20 MWh Per Node
- On/Off-grid, Multi-use Applications

More Energy Less Space

- ↑50% Higher Energy Density vs. 200kwh Units
- 50% Less Floor Space for the Same Capacity
- Whole-cabinet Delivery Cuts On-site Work & Cost

Grows with Your Business

- 10,000-cycle Long Life, ↑25% Throughput Over Full Lifespan
- Total Solution, STS Cabinet Available
- Ampac + CATL Local Service Network

Reliable in Cold Weather

- Enhanced Thermal Insulation Design
- No Heating Required at -20°C, 1 Cycle/ Day
- Operates Down to -30°C