UNITY ESS

2026

Battery Energy Storage System

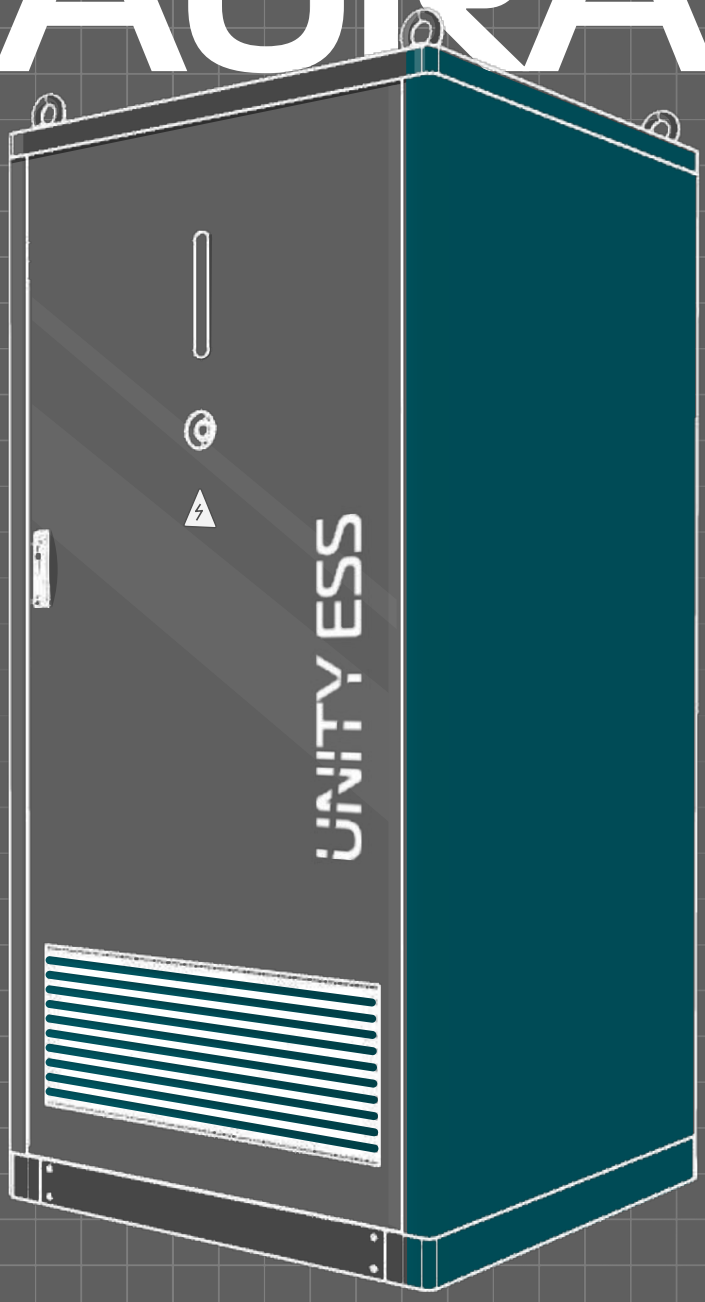
Energy when you need it



PRODUCT RANGE

AIR COOLED ● COMMERCIAL AND INDUSTRIAL

AURA



1 **Product Family**
QESS - Commercial series
UESS - Commercial and Industrial series
UESS - Utility series

2 **Output Voltage**
415V

3 **Power Backup**
up to 64 kW

4 **Backup time**
0.5 = 2 hours backup
0.33 = 3 hours backup
0.25 = 4 hours backup

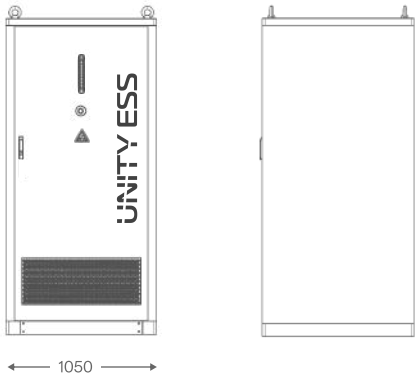
5 C is Charging/ Discharging Rate



AURA

AIR COOLED • COMMERCIAL & INDUSTRIAL

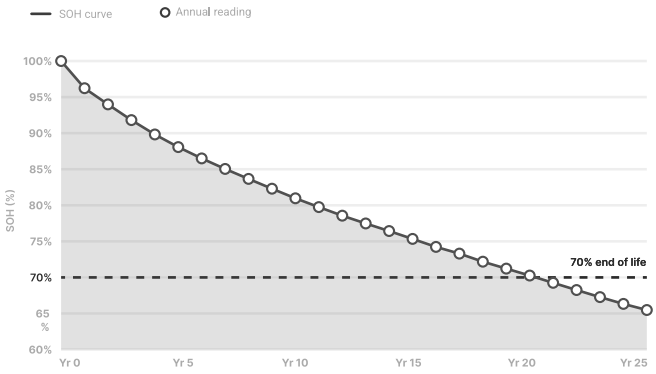
Power your operations with a BESS built for India's toughest industrial conditions. Delivers clean, reliable, and uninterrupted power — reducing diesel usage, cutting energy bills, and stabilizing your plant during peak loads



PRODUCT FEATURES

- Built in MPPT for solar input
- High-capacity LFP cells with 8,000+ cycle life. Built and validated by Inverted Energy .
- From dispatch, predictive optimization, monitoring, to tariff arbitrage all managed by the Unity EMS platform.
- Designed for scalability from 261 kWh to over 2.5 MWh by adding modules parallelly.
- Built-in safety through cell level BMS to system-level protection and automatic fire protection

BATTERY DOD



Product model

Aura

AC side (Grid connected)

Rated capacity	128 kWh
AC rated power	64 kW
Nominal Voltage (AC)	415 V
Rated Voltage (AC)	380 - 420 Vac
Frequency	49.5 - 50.5 Hz
THDI	≤ 3%
Power factor	1.0 leading - 1.0 lagging

AC side (Off grid)

Related output power	64 kW
Maximum single-phase output power	30 kW
Rated output voltage	415 V

PV side

Maximum PV loading	100 kW
Maximum input current	160 A
PV rated voltage (DC)	650 - 800 Vdc
Input switch	250 A / 1000 Vdc / 2p, Supports single MPPT input

Battery side

Cell	LFP 314 Ah
Battery pack	1P16S
Battery rack	1P8S
Nominal DC voltage	410 V
DC Voltage range	359 V ~ 461 V
Cooling method	Air cooled

Distribution and Switching time

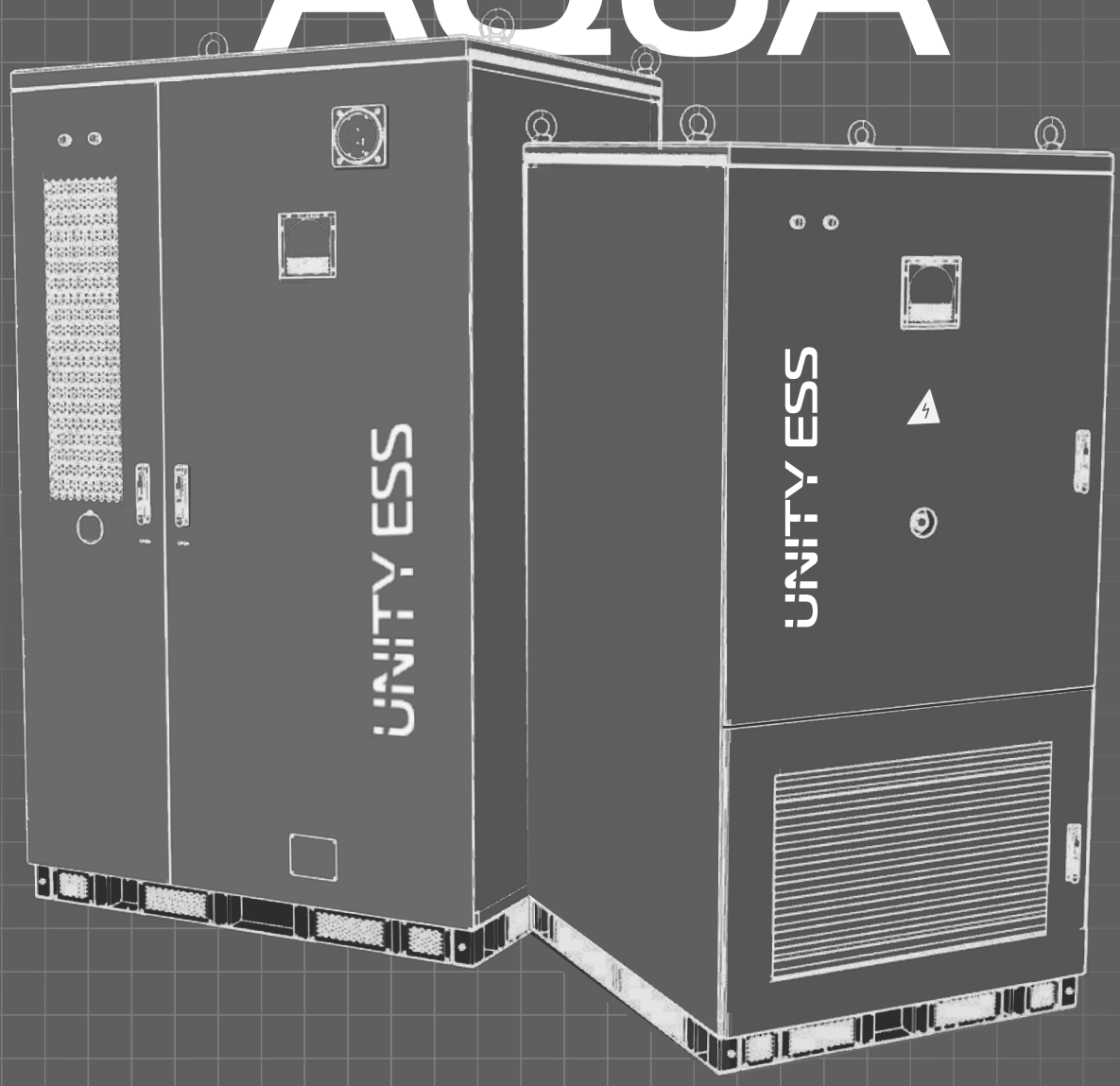
STS	144 A / 110 kW
Switching time	< 20 ms

General parameters

DC RTE	> 94%
Communication	RS485 / Ethernet TCP IP
Operating temperature	-30°C - 55°C
Fire Fighting system	Temperature / Smoke detection, Aerosol, Flooding
Noise	< 80 db
Operating temperature	-30 to 55°C
Rating	IP54
Dimension (W x D x H)	1050 x 1050 x 2200 mm
Weight	1500 kgs + 100 kgs
Standard	IEC62619, IEC61000, UL9540(A), UN38.3

LIQUID COOLED ● OPEN ACCESS AND INDUSTRIAL

AQUA



1 **Product Family**
- QESS - Commercial series
- UESS - Commercial and Industrial series
- UESS - Utility series

2 **Output Voltage**
- 4 - 415V
- 6 - 690V
- 8 - 800V

3 **Power Backup**
- ⩾ 125 kW

4 **Backup time**
- 0.5 = 2 hours backup
- 0.33 = 3 hours backup
- 0.25 = 4 hours backup

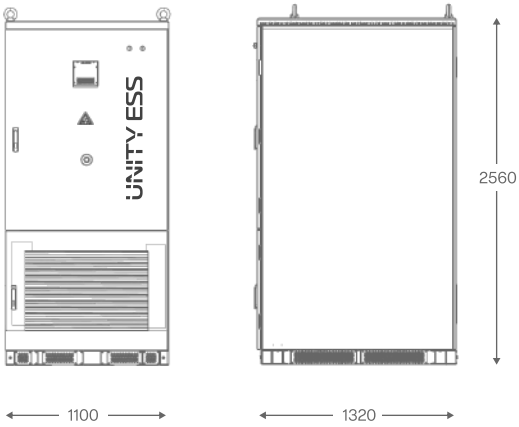
5 C is Charging/ Discharging Rate



AQUA 4

LIQUID COOLED • BEHIND THE METER

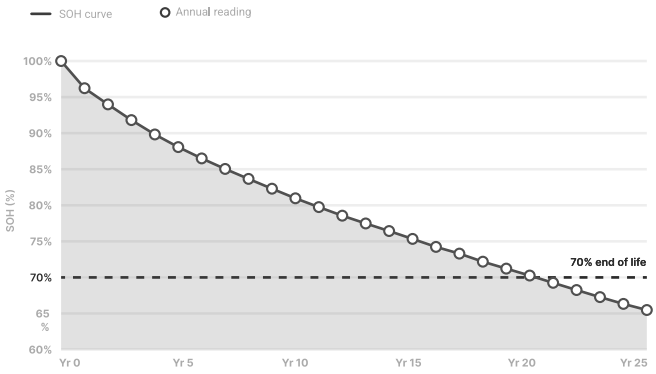
Optimize your operations with an Energy Storage System designed for Open Access Applications. Aqua stores low-cost renewable energy for later utilization and delivers reliable power - solar when available, grid when required, storage always balancing the two.



PRODUCT FEATURES

- Quick-connect interface between battery packs and liquid cooling system.
- High-capacity LFP cells with 8,000+ cycle life. Built and validated by Inverted Energy .
- From dispatch, predictive optimization, monitoring, to tariff arbitrage all managed by the Unity EMS platform.
- Designed for scalability from 261 kWh to over 2.5 MWh by adding modules parallelly.
- Built-in safety through cell level BMS to system-level protection and automatic fire protection

BATTERY DOD



Product model

Aqua 4

Aux consumption (261 kWh)

2.63 kW
while operating

0.05 kW
while idle

AC side

Rated capacity	261 kWh		522 kWh
AC rated power		125 kW	
Nominal Voltage (AC)		415 V	
Rated Voltage (AC)		380 Vac - 420 Vac	
Frequency		49.5 - 50.5 Hz	
THDI		≤ 3%	
Power factor		1.0 leading - 1.0 lagging	

DC side

Cell		LFP 314 Ah	
Battery pack		1P52S	
Battery rack	1P260S		2P260S
Nominal DC voltage		832 V	
DC voltage range		754 V - 936 V	
Cooling		Liquid cooled	

General parameters

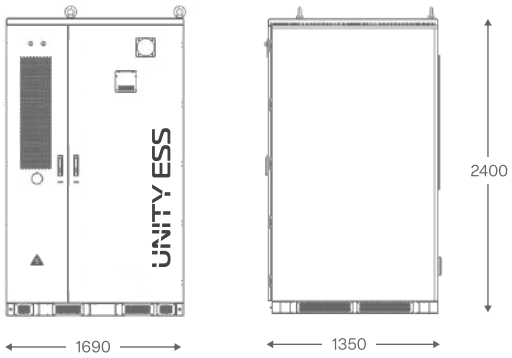
Communication		RS485 / CAN / Ethernet	
DC RTE		> 94%	
Lifetime		8000 cycles	
Fire Fighting system	Temperature / Smoke detection, Aerosol, Flooding		
Noise		< 80 db	
Operating temperature		-30 to 55°C	
Rating		IP54	
Dimension (W x D x H)	1100 x 1320 x 2560 mm		2200 x 1320 x 2560 mm
Weight	2600 kg		4150 kg
Standard		IEC62619, IEC61000, UL9540(A), UN38.3	



AQUA 6/8

LIQUID COOLED • OPEN ACCESS & INDUSTRIAL

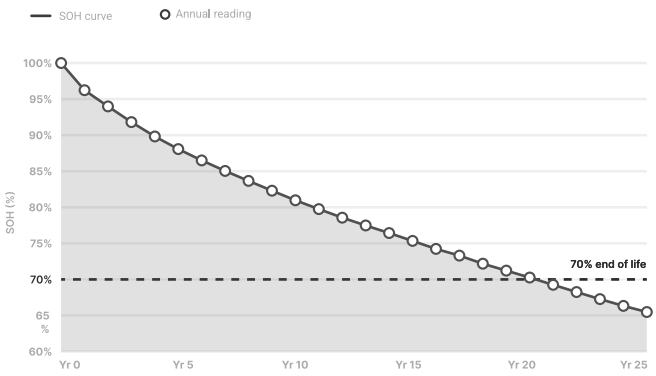
Optimize your operations with an Energy Storage System designed for Open Access Applications. Aqua stores low-cost renewable energy for later utilization and delivers reliable power - solar when available, grid when required, storage always balancing the two.



PRODUCT FEATURES

- Quick-connect interface between battery packs and liquid cooling system.
- High-capacity LFP cells with 8,000+ cycle life. Built and validated by Inverted Energy .
- From dispatch, predictive optimization, monitoring, to tariff arbitrage all managed by the Unity EMS platform.
- Designed for scalability from 261 kWh to over 2.5 MWh by adding modules parallelly.
- Built-in safety through cell level BMS to system-level protection and automatic fire protection

BATTERY DOD



Product model

Aqua 6

Aux consumption (418 kWh)

5.32 kW while operating	**0.09 kW** while idle

AC side

Rated capacity	418 kWh		836 kWh
AC rated power		215 kW	
Nominal Voltage (AC)		690V	
Rated Voltage (AC)		655 - 724 Vac	
Frequency		49.5 - 50.5 Hz	
THDI		≤ 3%	
Power factor		1.0 leading - 1.0 lagging	

DC side

Cell		LFP 314 Ah	
Battery pack		1P52S	
Battery rack	1P416S		2P416S
Nominal DC voltage		1331V	
DC voltage range		1100 - 1500 V	
Cooling		Liquid cooled	

General parameters

Communication		RS485 / CAN / Ethernet	
DC RTE		> 94%	
Lifetime		8000 cycles	
Fire Fighting system	Temperature / Smoke detection, Aerosol, Flooding		
Noise		< 80 db	
Operating temperature		-30 to 55°C	
Rating		IP54	
Dimension (W x D x H)	1690 x 1350 x 2400 mm		3400 x 1350 x 2400mm
Weight	3800 kg		6600 kg
Standard		IEC62619, IEC61000, UL9540(A), UN38.3	

Product model

Aqua 8

Aux consumption (418 kWh)

5.32 kW	0.09 kW
while operating	while idle

AC side

Rated capacity	418 kWh		836 kWh
AC rated power		215 kW	
Nominal Voltage (AC)		800V	
Rated Voltage (AC)		760 Vac - 840 Vac	
Frequency		49.5 - 50.5 Hz	
THDI		≤ 3%	
Power factor		1.0 leading - 1.0 lagging	

DC side

Cell		LFP 314 Ah	
Battery pack		1P52S	
Battery rack	1P416S		2P416S
Nominal DC voltage		1331V	
DC voltage range		1100 - 1500 V	
Cooling		Liquid cooled	

General parameters

Communication		RS485 / CAN / Ethernet	
DC RTE		> 94%	
Lifetime		8000 cycles	
Fire Fighting system	Temperature / Smoke detection, Aerosol, Flooding		
Noise		< 80 db	
Operating temperature		-30 to 55°C	
Rating		IP54	
Dimension (W x D x H)	1690 x 1350 x 2400 mm		3400 x 1350 x 2400mm
Weight	3800 kg		6600 kg
Standard		IEC62619, IEC61000, UL9540(A), UN38.3	

CONTAINERIZED • UTILITY SCALE

ULTIMA



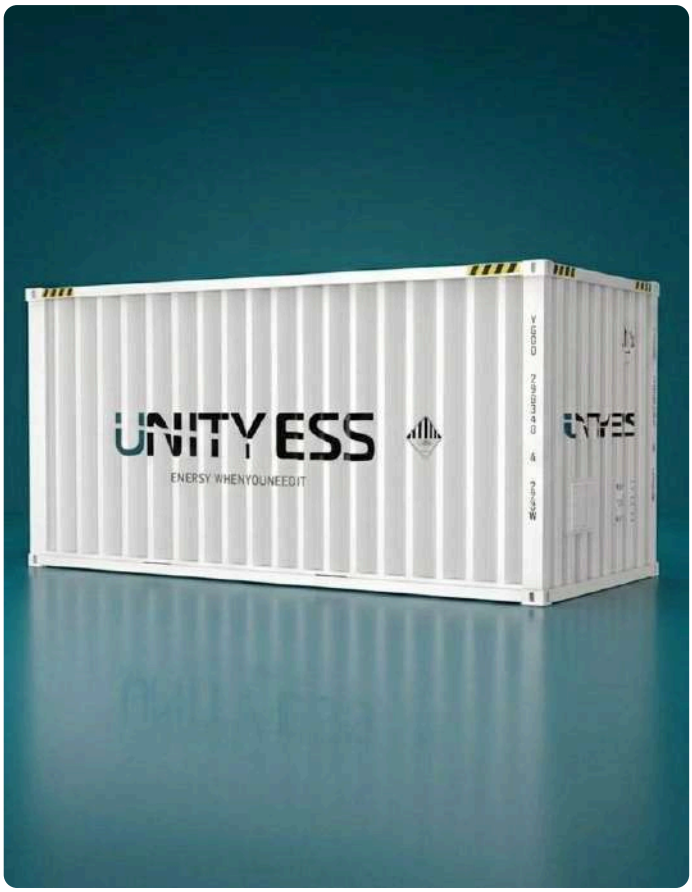
1 **Product Family**
QESS - Commercial series
UESS - Commercial and Industrial series
UESS - Utility series

2 **Output Voltage**
690V

3 **Power Backup**
≥ 1250 kW

4 **Backup time**
0.5 = 2 hours backup
0.33 = 3 hours backup
0.25 = 4 hours backup

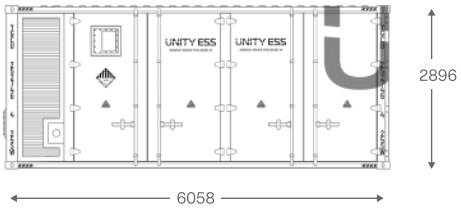
5 C is Charging/ Discharging Rate



ULTIMA

CONTAINERISED • UTILITY SCALE

Built for India's fast-growing utility-scale solar and hybrid projects - delivering high-density, multi-megawatt-hour storage in a single containerized unit. Plug-and-operate design minimizes civil work for faster commissioning.

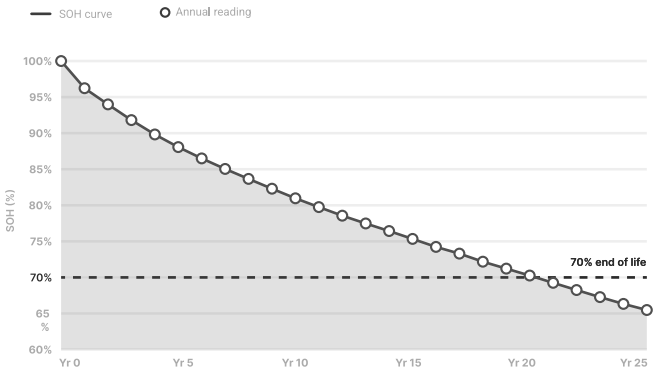




PRODUCT FEATURES

- Suitable for coastal and high-humidity environments. IP66 protection. Built for Indian site conditions
- Batteries, PCS, thermal management, fire protection, and Unity EMS in one 20ft container.
- Ramp-rate control. Frequency response. Peak shaving. Mid-day solar shift to evening peak. The Unity EMS manages the full dispatch stack
- High-capacity LFP cells with 12,000+ cycles. A system commissioned today runs through 2044 and beyond.
- Built-in safety through cell level BMS to system-level protection and automatic fire protection

BATTERY DOD



Product model

Ultima 314

Aux consumption (5 MWh)

36.39 kW while operating	**0.71 kW** while idle

AC side

Rated capacity	3.340 MWh	4.180 MWh	5.016 MWh
AC rated power		2.5 MVA	
Nominal Voltage (AC)		690V	
Rated Voltage (AC)		655 - 724 Vac	
Frequency		49.5 - 50.5 Hz	
THDI		≤ 3%	
Power factor		1.0 leading - 1.0 lagging	

DC side

Cell		LFP 314 Ah	
Battery pack		1P52S	
Battery rack	8P416S	10P416S	12P416S
Nominal DC voltage		1331V	
DC voltage range		1100 - 1500 V	
Cooling		Liquid cooled	

General parameters

Communication	RS485 / CAN / Ethernet
DC RTE	> 94%
Lifetime	8000 cycles
Fire Fighting system	Temperature / Smoke detection, Aerosol, Flooding, alarm bell and strobe
Noise	< 80 db
Operating temperature	-30 to 55°C
Rating	C4
Dimension (W x D x H)	6058 x 2436 x 2896 mm
Weight	40 - 49 tons
Standard	IEC62619, IEC61000, UL9540(A), UN38.3

Product model

Ultima 350

Aux consumption (5 MWh)

36.39 kW while operating	**0.71 kW** while idle

AC side

Rated capacity	3.340 MWh	4.300 MWh	5.161 MWh
AC rated power		2.5 MVA	
Nominal Voltage (AC)		690V	
Rated Voltage (AC)		655 - 724 Vac	
Frequency		49.5 - 50.5 Hz	
THDI		≤ 3%	
Power factor		1.0 leading - 1.0 lagging	

DC side

Cell		LFP 350 Ah	
Battery pack		1P128S	
Battery rack	8P384S	10P384S	12P384S
Nominal DC voltage		1230 V	
DC voltage range		1100 - 1500 V	
Cooling		Liquid cooled	

General parameters

Communication	RS485 / CAN / Ethernet
DC RTE	> 94%
Lifetime	8000 cycles
Fire Fighting system	Temperature / Smoke detection, Aerosol, Flooding, alarm bell and strobe
Noise	< 80 db
Operating temperature	-30 to 55°C
Rating	C4
Dimension (W x D x H)	6058 x 2436 x 2896 mm
Weight	40 - 49 tons
Standard	IEC62619, IEC61000, UL9540(A), UN38.3

Find your system

Three systems, one family — sized differently for where they deploy. Match your load, power need, and site against the table below, then flip to the datasheet for the full spec.

	Aura Commercial	Aqua Industrial	Ultima Utility
Range	100 – 225 kWh	261 – 3,000 kWh	5 – 6.25 MWh
Power output	50 kW – 100 kW	125 kW – 1,500 kW	Up to 2.5 MW
Discharge duration	2hr / 4hr configs	2hr / 4hr configs	2hr / 4hr configs
Cell chemistry	LFP (314Ah)	LFP (314Ah)	LFP (314Ah / 350Ah / 587Ah)
Form factor	Outdoor/Indoor cabinet	Outdoor cabinet	Container
Cycle life	8000+	8000+	8000+
Best for	Resorts, hotels, data centres, CPOs	Industries, Open Access applications	Utility-scale solar, grid frequency regulation, IPP/ EPC

Built for **You** • Always with **You** • Always **You**

Contact us

Our mission is to accelerate India's transition to clean energy through accessible, safe, and high-performance storage solutions. That's why our team is focused on providing dependable technical support and seamless customer assistance at every stage. From system setup, to guidance to after-sales assistance, we are here for you.

For sales and ordering, please contact

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