

UBT 12/24

Rechargeable AGM battery 24 Ah / 12 V

UBT: Powerful and reliable back-up storage

Salicru's **UBT** series batteries are extremely powerful and compact rechargeable lead-lead dioxide energy accumulators particularly suitable for UPSs and other security systems that require reliable and high-quality energy back-up.

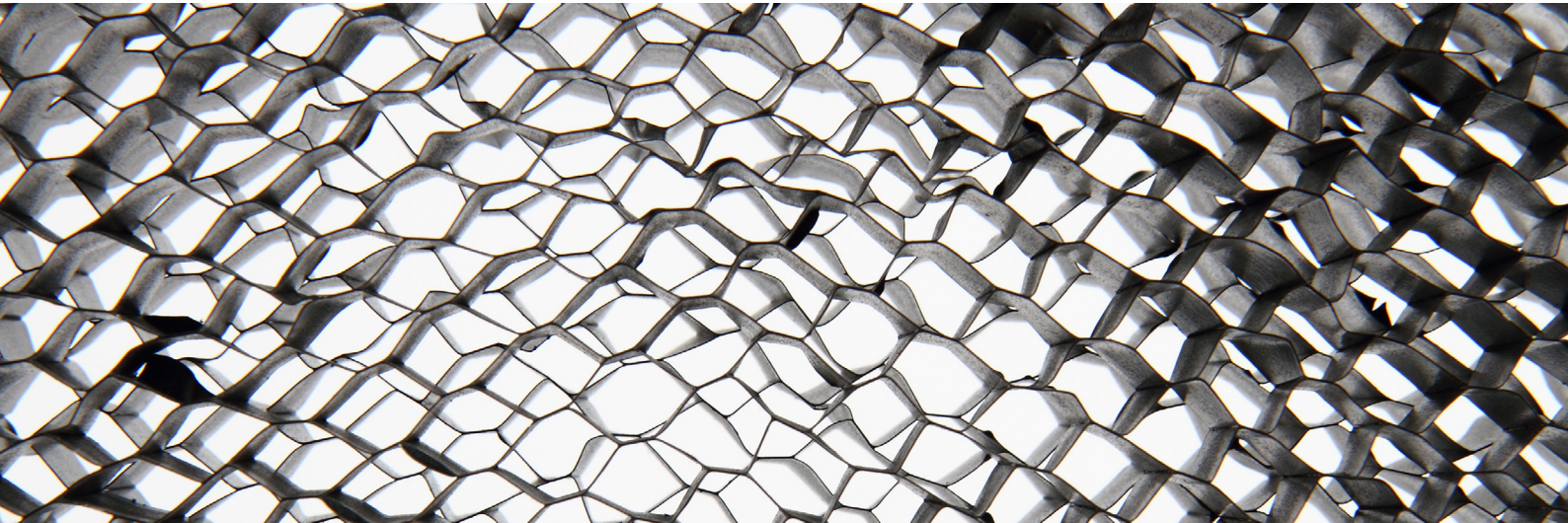
Salicru's **UBT** battery range includes 24 Ah at 12 V.

The sulphuric acid electrolyte is absorbed by the separators and plates. And these in turn immobilised. They are designed using gas recombination technology which eliminates the need for the regular addition of water by controlling the evolution of hydrogen and oxygen during charging. The battery is completely sealed and watertight and therefore maintenance free, enabling it to be used in any position. If the battery is accidentally overcharged, resulting in the production of hydrogen and oxygen, a number of special one-way valves allow the gases to escape to avoid interior overpressure.



Applications:

Uninterruptible power supply systems (UPS), emergency lighting systems, signalling systems, communications and electrical equipment, broadcasting systems, lift automation panels, electronic cash registers, etc.



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Performances

- AGM technology for efficient gas recombination of up to 99% and free of maintenance or adding water.
- 3/5 years lifetime.
- No restrictions for air transport, compliance with IATA/ICAO Special Provision A67.
- Can be mounted in any position.
- Lead designed by computer with calcium/tin alloy rack for high energy density.
- Long service life in both float and cyclic applications.
- Maintenance-free.
- Low self-discharge



Battery compatibility vs series

	UBT 12/24
SLC CUBE3+	•
SLC CUBE4	•
SLC ADAPT2	•
SLC X-PERT	•
SLC X-TRA	•

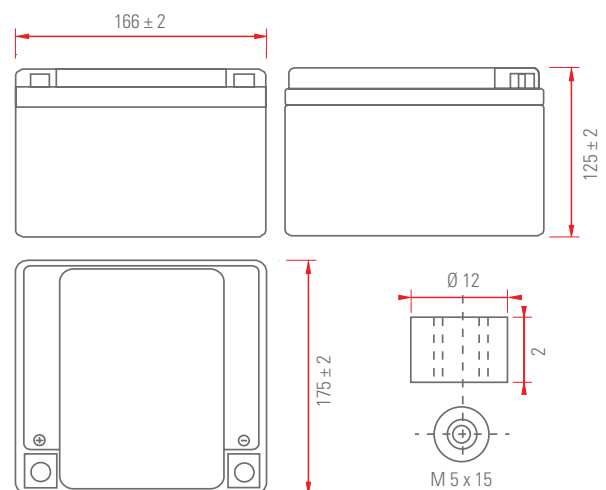
Battery construction

COMPONENT	RAW MATERIAL
Positive plate	Lead dioxide
Negative plate	Lead
Container	ABS
Lid	ABS
Safety valve	Rubber
Terminal	Copper
Separator	AGM
Electrolyte	Sulphuric acid

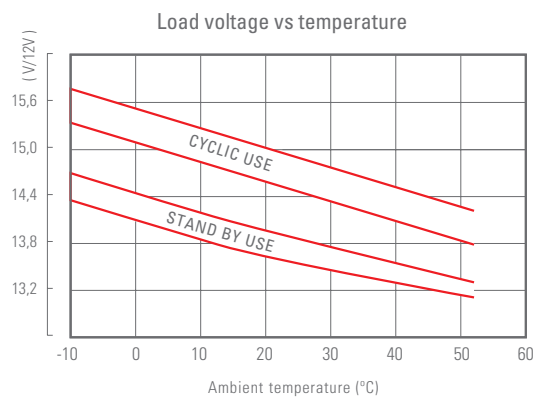
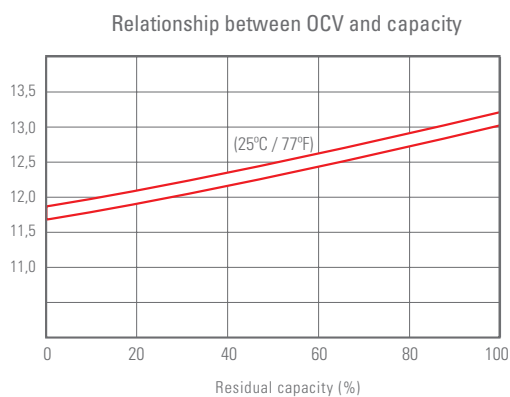
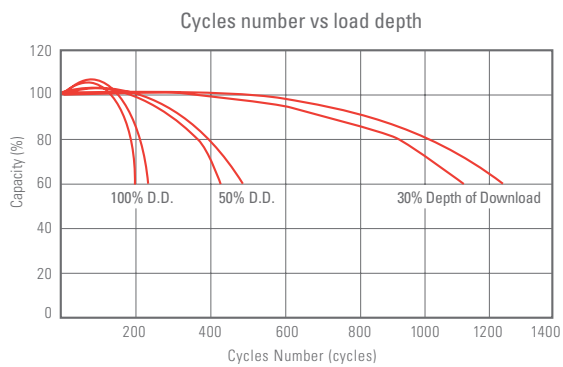
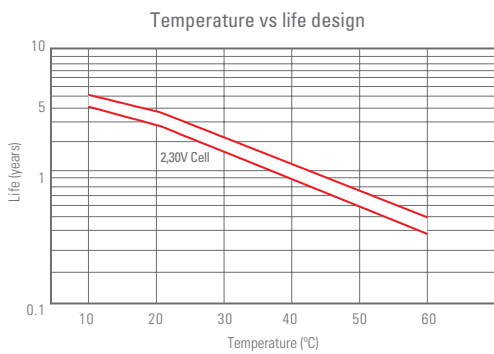
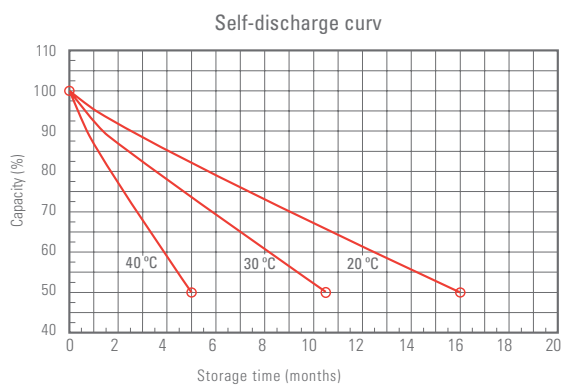
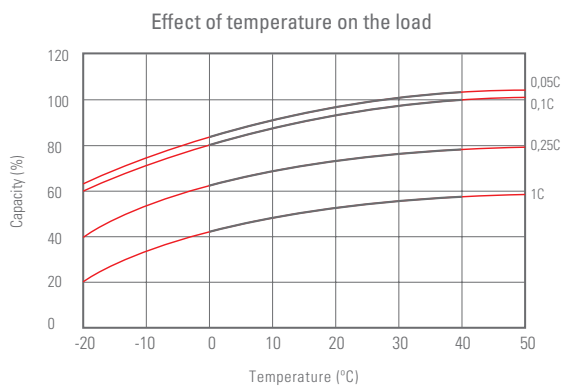
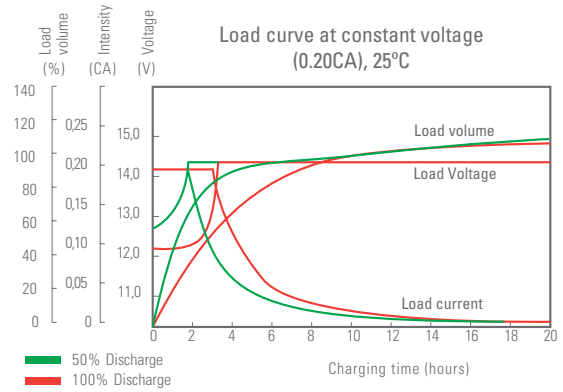
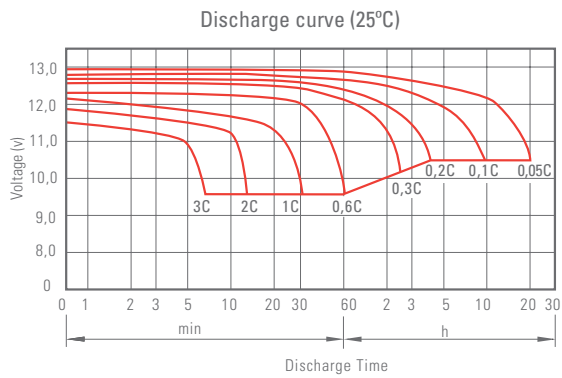
Dimensions



UBT 12/24



Behaviour charts



Technical specifications

MODEL		UBT 12/24
Nominal voltage (V)		12
Number of cells		6
Rated capacity at 25°C	20 hours	24 Ah (1.20 A, 10.5 V)
	10 hours	22 Ah (2.24 A, 10.5 V)
	5 hours	20.50 Ah (4.10 A, 10.5 V)
	1 hour	15 Ah (15.40 A, 9.6 V)
Internal resistance		≤14 mΩ ⁽¹⁾
Self-discharge		3% ⁽²⁾
Operating temperature range	Discharge	-15°C ÷ +50°C
	Charge	-10°C ÷ +50°C
	Storage	-20°C ÷ +50°C
Maximum discharge current		360 A (5s)
Dimensions	Depth	166 mm ±2 mm
	Width	175 mm ±2 mm
	Height	125 mm ±2 mm
Overall dimensions (with connectors)	Height	125 mm ±2 mm
Weight		7.40 Kg
CODE		013BS000025

(1) Fully charged battery at 25°C

(2) Reduction of capacity per month at 20°C (average)

Information subject to change without notice.

Constant discharge current (25°C)

Cut-off voltage per cell (V/cell)	5 min	10 min	15 min	30 min	60 min	2 h	3 h	4 h	5 h	10 h	20 h
9.60 V	89.8	56.9	44.5	25.0	15.4	8.60	5.95	4.92	4.19	2.27	1.22
9.90 V	87.2	55.2	43.4	24.5	15.2	8.55	5.91	4.89	4.16	2.26	1.21
10.2 V	83.6	52.9	41.8	23.8	14.8	8.47	5.87	4.86	4.13	2.25	1.21
10.5 V	80.0	50.7	40.4	23.2	14.5	8.34	5.83	4.82	4.10	2.24	1.20
10.8 V	75.5	47.8	38.2	22.4	14.0	8.13	5.66	4.68	3.98	2.19	1.18

Constant discharge power (25°C)

Cut-off voltage per cell (V/cell)	5 min	10 min	15 min	30 min	60 min	2 h	3 h	4 h	5 h	10 h	20 h
9.60 V	1003	642	507	287	178	101	70.7	58.6	50.0	27.3	14.6
9.90 V	973	623	495	281	176	100	70.3	58.3	49.7	27.2	14.6
10.2 V	932	597	476	273	171	99.1	69.8	57.9	49.3	27.0	14.5
10.5 V	892	571	460	266	168	97.6	69.3	57.5	49.0	26.9	14.4
10.8 V	842	539	436	256	163	95.2	67.2	55.7	47.5	26.3	14.1

The data shown above relates to average values obtained after 3 charge/discharge cycles, not minimum values.

