

# UBT 12/65

Rechargeable AGM battery 65 Ah / 12 V



## UBT: Powerful and reliable back-up storage

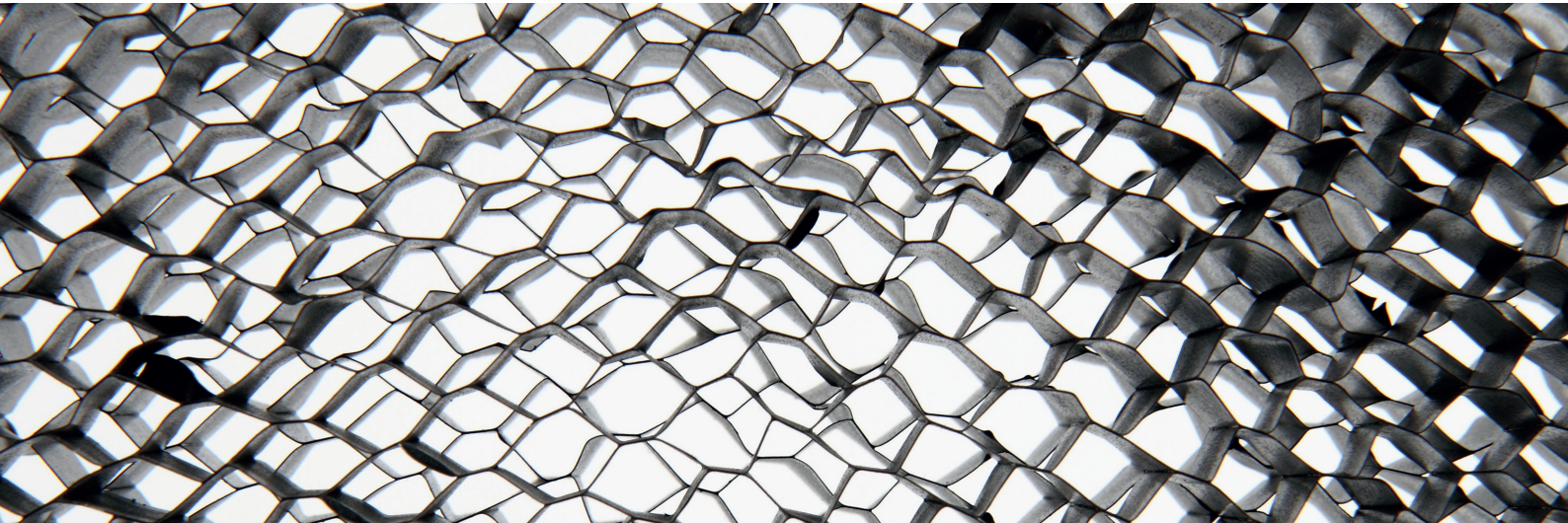
Salicru's **UBT** series batteries are extremely powerful and compact rechargeable lead-lead dioxide energy accumulators particularly suitable for UPSs and other security systems that require reliable and high-quality energy back-up.

Salicru's **UBT** battery range includes 65 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.
- 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



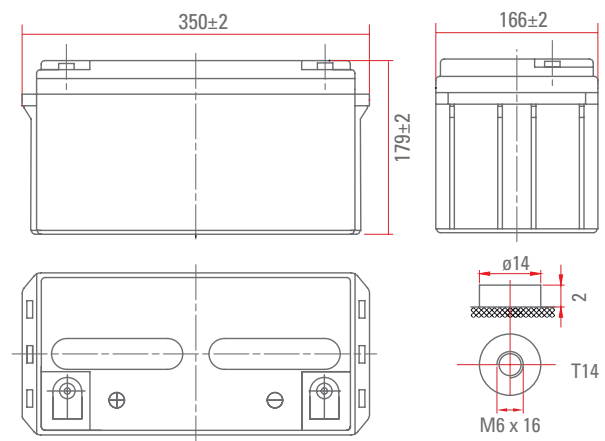
## Battery compatibility vs series

	UBT 12/65
SLC CUBE3+	•
SLC CUBE4	•
SLC ADAPT2	•
SLC X-PERT	•
SLC X-TRA	•

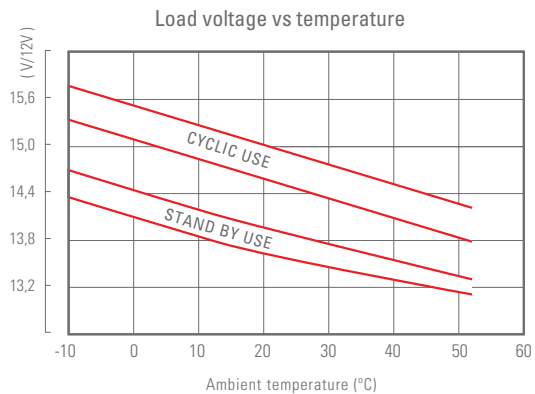
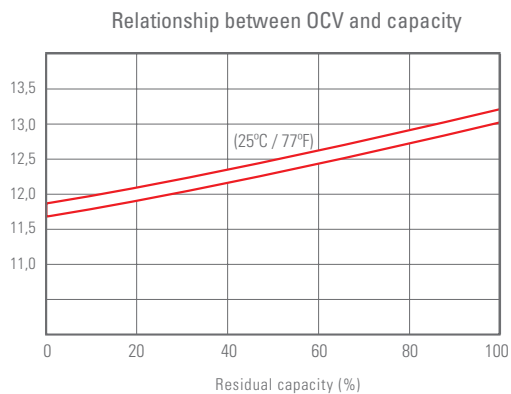
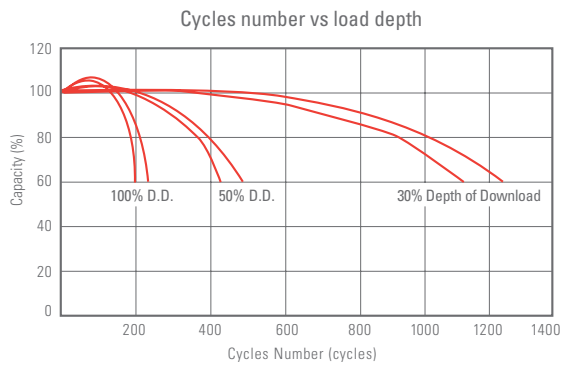
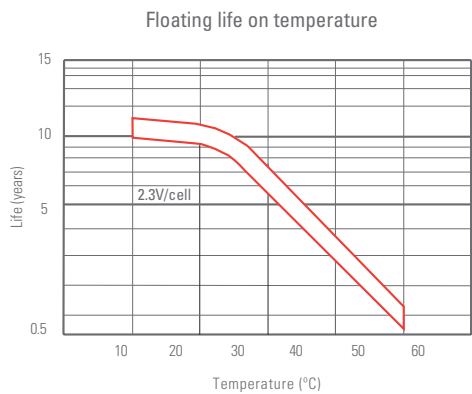
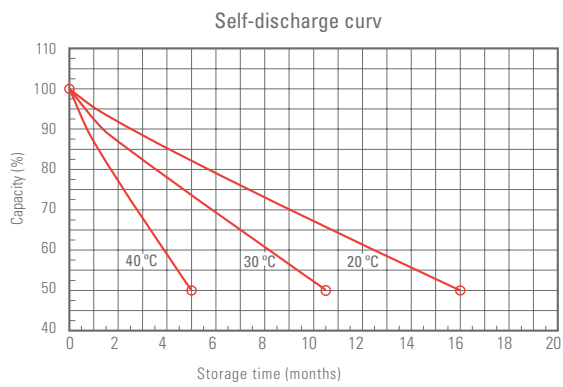
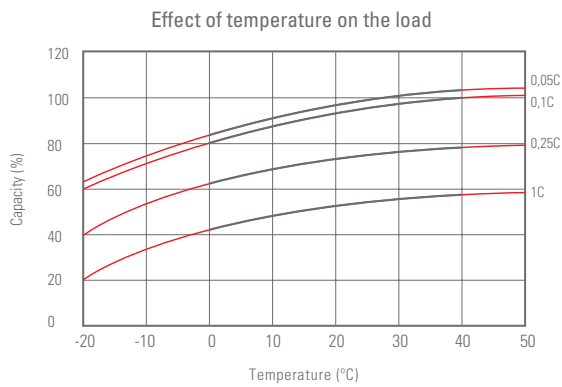
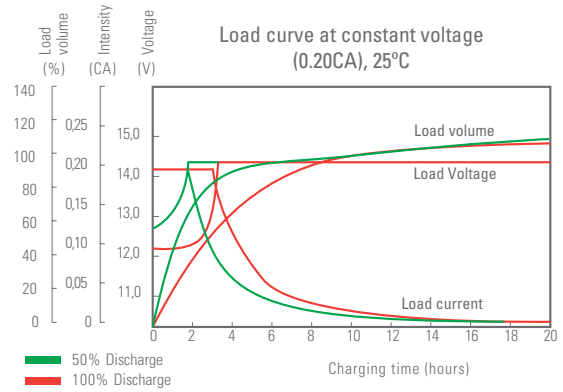
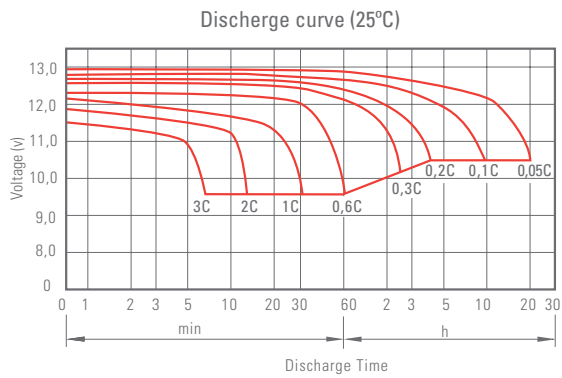
## Battery construction

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



# Behaviour charts



## Technical specifications

MODEL		UBT 12/65
Nominal voltage (V)		12
Number of cells		6
Rated capacity at 25°C	20 hours	69 Ah (3.45 A, 10.8 V)
	10 hours	65 Ah (6.50 A, 10.8 V)
	5 hours	55.50 Ah (9.39 A, 10.8 V)
	1 hour	36.20 Ah (36.20 A, 10.8 V)
Internal resistance		≤6.5 mΩ <sup>(1)</sup>
Self-discharge		3% <sup>(2)</sup>
Operating temperature range	Discharge	-15°C ÷ +50°C
	Charge	-10°C ÷ +50°C
	Storage	-20°C ÷ +50°C
Maximum discharge current		650 A (5s)
Dimensions	Depth	350 mm ±2 mm
	Width	166 mm ±2 mm
	Height	179 mm ±2 mm
Overall dimensions (with connectors)	Height	179 mm ±2 mm
Weight		20.40 Kg
CODE		013BS000022

(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)	10 min	15 min	30 min	60 min	2 h	3 h	4 h	5 h	8 h	10 h	20 h
9.60 V	142	109	65.3	40.2	23.8	17.1	13.7	11.7	9.02	6.62	3.51
9.90 V	137	107	64.0	39.6	23.6	17.0	13.6	11.6	7.98	6.60	3.50
10.2 V	132	103	62.1	38.6	23.4	16.9	13.5	11.5	7.92	6.58	3.49
10.5 V	126	99.2	60.6	37.4	23.0	16.8	13.4	11.4	7.87	6.55	3.47
10.8 V	119	93.9	58.3	36.2	22.5	16.3	13.0	11.1	7.63	6.50	3.45

## Constant discharge power (25°C)

Cut-off voltage per cell (V/cell)	10 min	15 min	30 min	60 min	2 h	3 h	4 h	5 h	8 h	10 h	20 h
9.60 V	1530	1199	733	458	275	201	161	138	95.3	79.0	42.1
9.90 V	1484	1170	718	451	273	200	160	137	94.7	78.9	42.0
10.2 V	1423	1127	696	440	271	199	159	136	94.1	78.6	41.9
10.5 V	1362	1089	679	426	267	197	157	135	93.4	78.2	41.6
10.8 V	1286	1031	655	412	260	191	153	131	90.6	77.6	41.3

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

