

# UBT

Rechargeable AGM battery 4.5 Ah - 100 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 4.5 Ah, 7 Ah, 9 Ah, 12 Ah, 17 Ah, 24 Ah, 45 Ah, 55 Ah, 65 Ah, 90 Ah and 100 Ah models, all 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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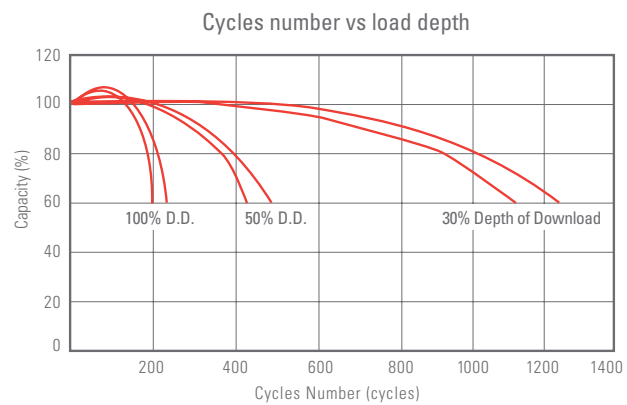
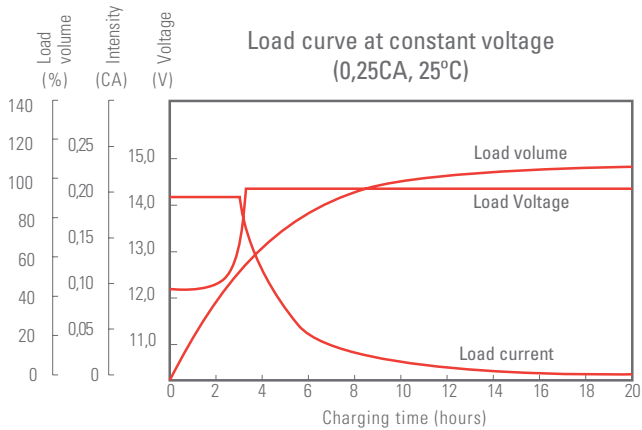
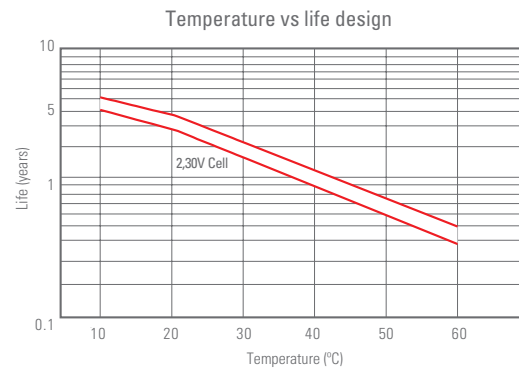
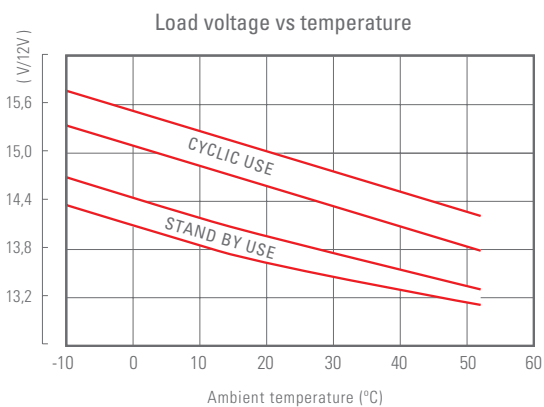
## Performances

- AGM technology for efficient gas recombination of up to 99% and free of maintenance or adding water.
- 10/12 years of long life. <sup>(1)</sup>
- 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.

(1) Only for models  $\geq 45\text{Ah}$



## Behaviour charts



## 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

## Range

MODEL	RATED CAPACITY AT 25 °C				INTERNAL RESISTANCE	MAXIMUM DICHARGE CURRENT	DIMENSIONS (mm)			WEIGHT (Kg)
	20 HOURS	10 HOURS	5 HOURS	1 HOUR			DEPTH	WIDTH	HEIGHT	
<b>UBT 12/4,5</b>	4,5 Ah (0,23 A, 10,5 V)	4,2 Ah (0,42 A, 10,5 V)	3,85 Ah (0,77 A, 10,5 V)	2,7 Ah (2,95 A, 10,5 V)	≤30 mΩ	68 A (5s)	70 ±1	90 ±1	101 ±1	1,5
<b>UBT 12/7</b>	7,0 Ah (0,35 A, 10,5 V)	6,5 Ah (0,65 A, 10,5 V)	6 Ah (1,2 A, 10,5 V)	4,2 Ah (4,59 A, 9,6 V)	≤25 mΩ	105 A (5s)	65 ±1	151 ±1	94 ±1	2,1
<b>UBT 12/9</b>	9,0 Ah (0,45 A, 10,5 V)	8,4 Ah (0,84 A, 10,5 V)	7,7 Ah (1,54 A, 10,5 V)	5,4 Ah (5,9 A, 9,6 V)	≤19 mΩ	135 A (3s)	65 ±1	151 ±1	94 ±1	2,5
<b>UBT 12/12</b>	12 Ah (0,6 A, 10,5 V)	11 Ah (1,12 A, 10,5 V)	10,25 Ah (2,05 A, 10,5 V)	7,2 Ah (7,86 A, 9,6 V)	≤19 mΩ	180 A (5s)	98 ±1	151 ±1	95 ±1	3,4
<b>UBT 12/17</b>	17 Ah (0,85 A, 10,5 V)	16 Ah (1,59 A, 10,5 V)	14,55 Ah (2,91 A, 10,5 V)	10,5 Ah (11,1 A, 9,6 V)	≤17 mΩ	225 A (5s)	77 ±1	181 ±1	167 ±1	5
<b>UBT 12/24</b>	24 Ah (1,20 A, 10,5 V)	22 Ah (2,24 A, 10,5 V)	20,50 Ah (4,10 A, 10,5 V)	15 Ah (15,40 A, 9,6 V)	≤14 mΩ	360 A (5s)	166 ±2	175 ±2	125 ±2	7,4
<b>UBT 12/45</b>	47,80 Ah (2,39 A, 10,8 V)	45 Ah (4,50 A, 10,8 V)	38,40 Ah (7,68 A, 10,8 V)	25 Ah (25,00 A, 10,8 V)	≤7,5 mΩ	400 A (5s)	197 ±2	165 ±2	170 ±2	13,8
<b>UBT 12/55</b>	58,40 Ah (2,92 A, 10,8 V)	55 Ah (5,50 A, 10,8 V)	47 Ah (9,39 A, 10,8 V)	30,60 Ah (30,60 A, 10,8 V)	≤6,5 mΩ	550 A (5s)	230 ±2	138 ±2	211 ±2	17,3
<b>UBT 12/65</b>	69 Ah (3,45 A, 10,8 V)	65 Ah (6,50 A, 10,8 V)	55,50 Ah (9,39 A, 10,8 V)	36,20 Ah (36,20 A, 10,8 V)	≤6,5 mΩ	650 A (5s)	350 ±2	166 ±2	179 ±2	20,4
<b>UBT 12/90</b>	95,40 Ah (4,77 A, 10,8 V)	90 Ah (2,24 A, 10,8 V)	77 Ah (4,10 A, 10,8 V)	50,10 Ah (15,40 A, 10,8 V)	≤5 mΩ	800 A (5s)	306 ±2	169 ±2	211 ±2	27
<b>UBT 12/100</b>	106 Ah (5,30 A, 10,8 V)	100 Ah (10,00 A, 10,8 V)	85,50 Ah (17,10 A, 10,8 V)	55,60 Ah (55,60 A, 10,8 V)	≤4,5 mΩ	800 A (5s)	330 ±2	171 ±2	214 ±2	29,5

Résistance interne: Batterie entièrement chargée à 25°C



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## Technical specifications

MODEL		UBT
Nominal voltage (V)		12
Number of cells		6
Life Classification		Long Life <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

Information subject to change without notice.

(1) Only for models ≥ 45Ah

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

## Battery compatibility vs series

	UBT 12/4,5	UBT 12/7	UBT 12/9	UBT 12/12	UBT 12/17	UBT 12/24	UBT 12/45	UBT 12/55	UBT 12/65	UBT 12/90	UBT 12/100
SPS HOME+	-	●	●	-	-	-	-	-	-	-	-
SPS ONE	-	●	●	-	-	-	-	-	-	-	-
SPS SOHO+	-	●	●	-	-	-	-	-	-	-	-
SPS ADVANCE T	-	●	●	-	-	-	-	-	-	-	-
SPS ADVANCE RT2	-	●	●	-	-	-	-	-	-	-	-
SLC TWIN PRO2 0-3 kVA	-	●	●	●	-	-	-	-	-	-	-
SLC TWIN PRO3 4-20 kVA	-	●	●	-	-	-	-	-	-	-	-
SLC TWIN RT3 0-3 kVA	-	●	●	-	-	-	-	-	-	-	-
SLC TWIN RT3 4-10 kVA	-	●	●	-	-	-	-	-	-	-	-
SLC CUBE4	-	●	●	-	-	●	●	●	●	●	●
SLC CUBE3+	●	●	●	●	-	●	●	●	●	●	●
SLC ADAPT2	●	●	●	●	●	●	●	●	●	●	●
SLC X-PERT	-	-	-	-	-	●	●	●	●	●	●
SLC X-TRA	-	-	-	-	-	●	●	●	●	●	●

