UBT

Rechargeable AGM battery 4.5 Ah - 7 Ah - 9 Ah - 12 Ah - 17 Ah / 12 V



UBT: Powerful and reliable back-up storage

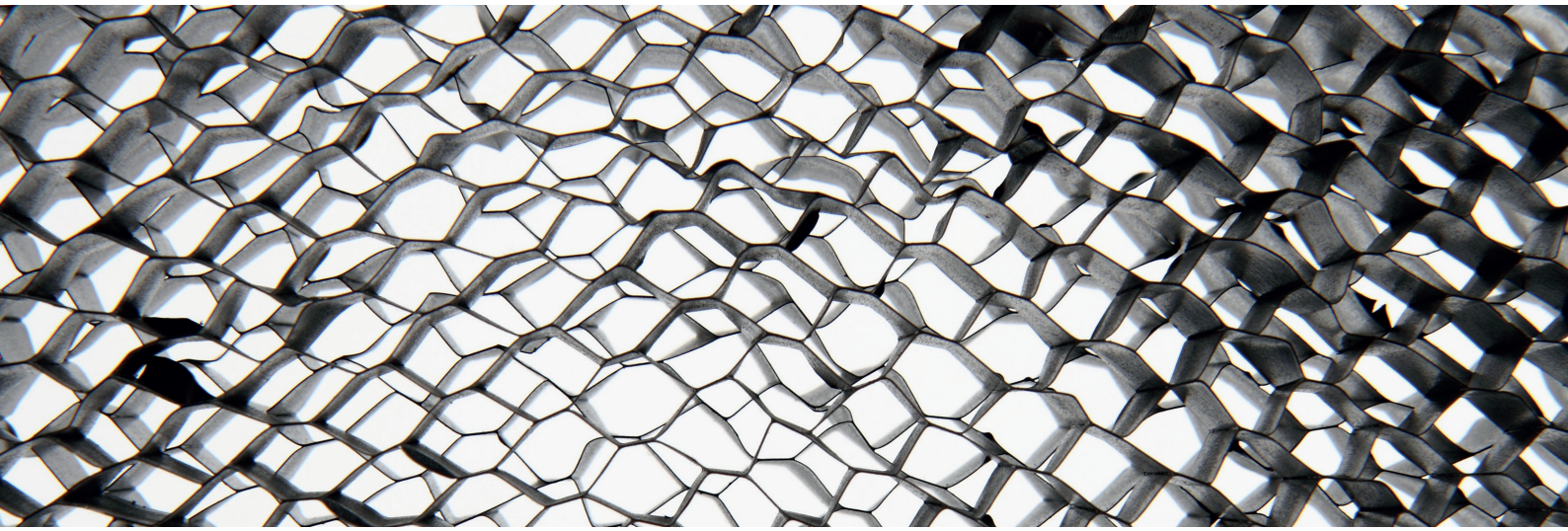
Salicru's **UBT** series batteries are extremely powerful and compact rechargeable lead-lead dioxide energy accumulators particularly suitable for UPSs and other security systems that require reliable and high-quality energy back-up.

Salicru's **UBT** battery range includes 4.5 Ah, 7 Ah, 9 Ah, 12 Ah and 17Ah 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.

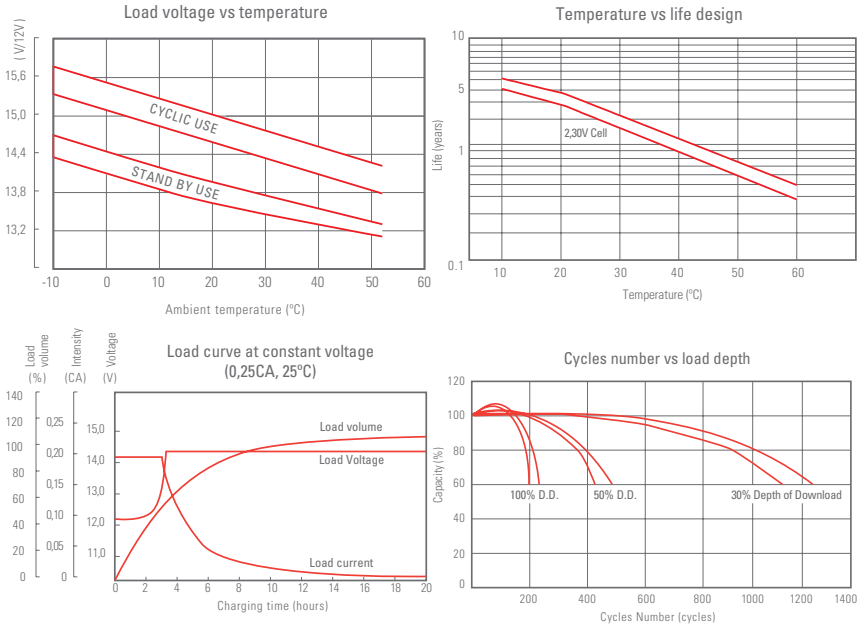


Performances

- 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.



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



Battery compatibility vs series

	UBT 12/4.5	UBT 12/7	UBT 12/9	UBT 12/12	UBT 12/17
SPS Home	●	-	-	-	-
SPS One	-	●	●	-	-
SPS Soho+	-	●	●	-	-
SPS Advance T	-	●	●	-	-
SPS Advance R	-	-	-	-	-
SPS Advance RT2	-	●	●	-	-
SLC Twin PRO2 0-3 kVA	-	●	●	●	-
SLC Twin PRO2 4-20 kVA	-	●	●	-	-
SLC Twin RT2 0-3 kVA	-	●	●	-	-
SLC Twin RT2 4-10 kVA	-	●	●	-	-
SLC Cube4	-	●	●	-	-
SLC Cube3+	●	●	●	●	-
SLC Adapt / 2	●	●	●	●	●

Dimensions



UBT 12/4.5



UBT 12/7



UBT 12/9



UBT 12/12



UBT 12/17

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Technical specifications

MODEL		UBT 12/4.5	UBT 12/7	UBT 12/9	UBT 12/12	UBT 12/17
Nominal voltage (V)		12				
Number of cells		6				
Rated capacity at 25ºC	20 hours	4.5 Ah (0.23 A, 10.5 V)	7.0 Ah (0.35 A. 10.5 V)	9.0 Ah (0.45 A. 10.5 V)	12 Ah (0.6 A. 10.5 V)	17 Ah (0.85 A. 10.5 V)
	10 hours	4.2 Ah (0.42 A, 10.5 V)	6.5 Ah (0.65 A, 10.5 V)	8.4 Ah (0.84 A, 10.5 V)	11 Ah (1.12 A, 10.5 V)	16 Ah (1.59 A, 10.5 V)
	5 hours	3.85 Ah (0.77 A, 10.5 V)	6 Ah (1.2 A, 10.5 V)	7.7 Ah (1.54 A. 10.5 V)	10.25 Ah (2.05 A. 10.5 V)	14.55 Ah (2.91 A, 10.5 V)
	1 hour	27 Ah (2.95 A, 10.5 V)	4.2 Ah (4.59 A, 9.6 V)	5.4 Ah (5.9 A, 9.6 V)	7.2 Ah (7.86 A, 9.6 V)	10.5 Ah (11.1 A, 9.6 V)
Internal resistance		≤30 mΩ(1)	≤25 mΩ(1)	≤19 mΩ(1)		≤17 mΩ(1)
Self-discharge		3% (2)				
Operating temperature range	Discharge	-15ºC ÷ +50ºC				
	Charge	-10ºC ÷ +50ºC				
	Storage	-20ºC ÷ +50ºC				
Maximum discharge current		68 A (5s)	105 A (5s)	135 A (3s)	180 A (5s)	225 A (5s)
Short-circuit current		400A	480A	630A		710A
Dimensions	Depth	70 mm ±1 mm	65 mm ±1 mm		98 mm ±1 mm	77 mm ±1 mm
	Width	90 mm ±1 mm	151 mm ±1 mm			181 mm ±1 mm
	Height	101 mm ±1 mm	94 mm ±1 mm		95 mm ±1 mm	167 mm ±1 mm
Overall dimensions (with connectors)	Height	107 mm ±1 mm	100 mm ±1 mm		101 mm ±1 mm	167 mm ±1 mm
Weight		1,5 Kg	2,1 Kg	2,50 Kg	3,4 Kg	5,00 Kg
CODE		013BS000006	013BS000001	013BS000002	013BS000003	013BS000004

(1) Fully charged battery at 25°C
(2) Reduction of capacity per month at 20°C (average)

Information subject to change without notice.