

# Total Solutions System

**TRACTION BATTERIES**



**WINNER<sup>®</sup>**  
**BATTERY**



**SUPERIOR QUALITY PRODUCT**



# Total Solutions System

## TRACTION BATTERIES

# WINNER®

BATTERY

**Winner** is a superior quality product which provides a "Total Solution System" for a wide range of battery applications. Product characteristics include excellent reliability, long life and modern design.

**WINNER TRACTION batteries** is a "Total Solution" created to meet all the needs of today's warehouse and its operations. Designed for excellence, **WINNER TRACTION batteries** cover complete ranges of cells according to DIN, BS and JIS standards.

**Winner "Traction Total Solution"** covers the battery needs of all kinds of material handling equipment, electric sweeper, service power systems in ships and yachts, lawn movers, scissor lifts, railway.



### TECHNICAL FEATURES

- Reliable motive power for trouble free work every day
- Maximum operational life under continuous deep discharge applications
- Complete ranges according to DIN and BS standards
- Robust positive tubular plate made by High Pressure Casting Process (HPCP), which protects the lead plate support from the anodic corrosion.
- Available only in Screwed version with flexible copper bolt-on connectors

### ACCESSORIES

- Auto-Fill (AF) - Automatic water filling system
- Air-Mix (AM) - In-cell electrolyte circulation device Agitation

### SERIES

#### ATLAS

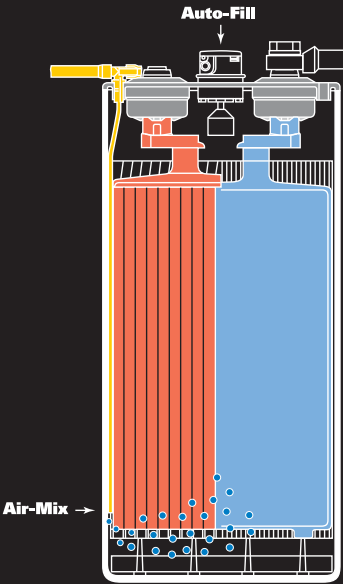
- Full range of High capacity EPzS cells
- Design according to DIN-L specifications
- Cell dimension length 198mm

#### CRONUS

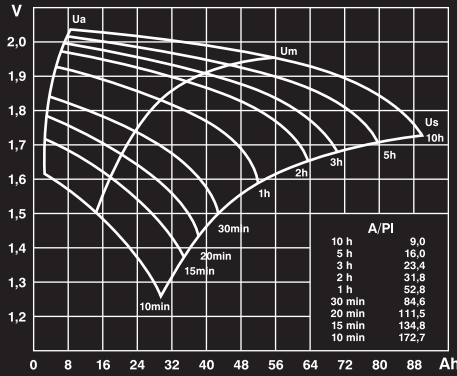
- Full range of High capacity EPzB cells
- Design according to BS specifications
- Cell dimension length 158mm

### STANDARDS

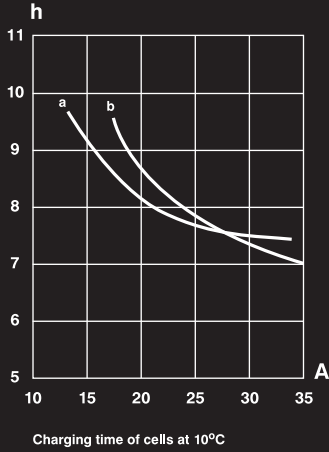
- EN 60254-1
- EN 60254-2
- DIN 43595
- BS 2550



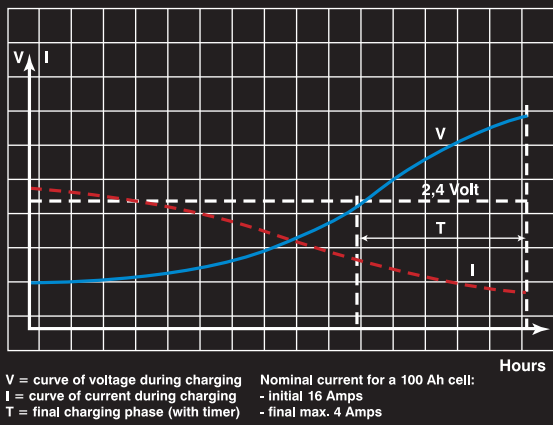
### Discharge characteristics



### Charging time



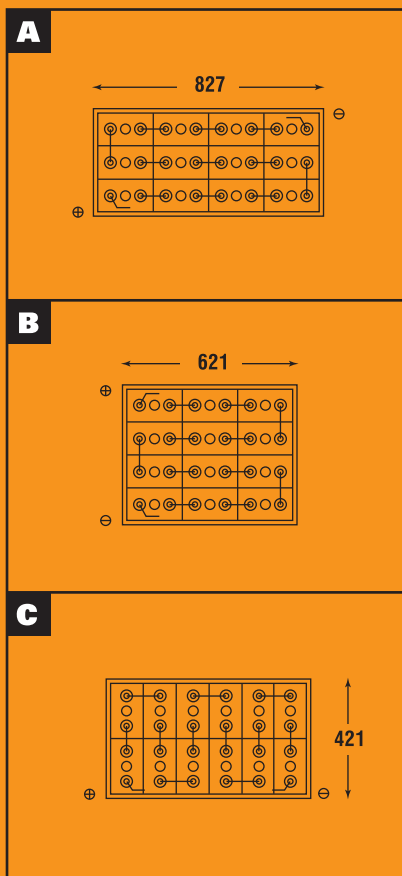
### Charging method (Wa)



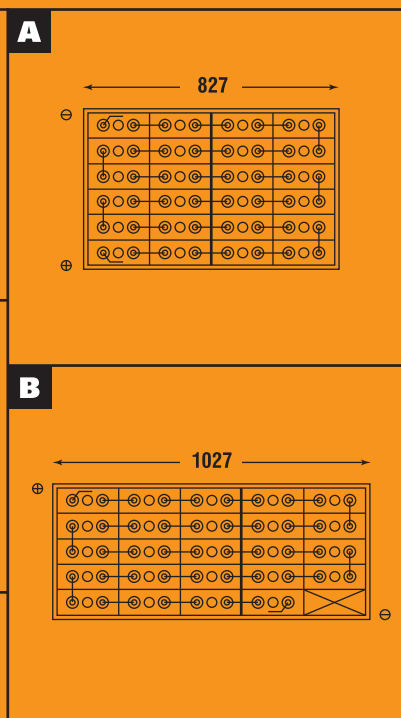
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## DIN TRAY DIMENSIONS

**DIN 43535 - 24 Volts**



**DIN 43531 - 48 Volts**



**DIN 43536 - 80 Volts**

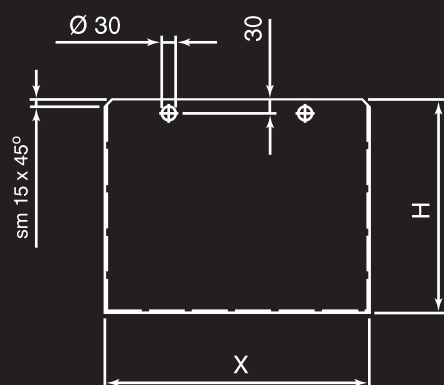
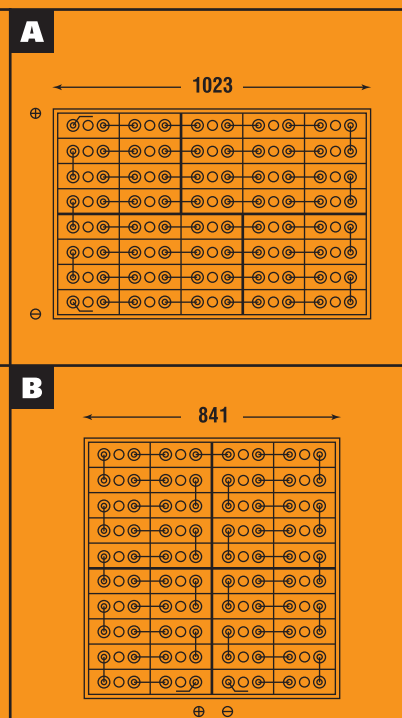


	Plate number	24 Volts			48 Volts		80 Volts	
		A	B	C	A	B	A	B
X	2	162	209	(303)	-	-	-	513
	3	216	281	(411)	411	346	561	693
	4	270	353	(519)	519	436	705	873
	5	324	425	(627)	627	526	849	1061
	6	378	497	(741)	735	616	993	1210
	7	432	569	(849)	843	706	1137	-
	8	486	641	(957)	951	796	1281	-
	9	543	-	-	-	-	-	-
	10	597	-	-	-	-	-	-

PLATE GROUP AH	50-60	80	90	105-115-125	125-140-155
H	402	462	537	627	784

Wherever batteries go



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