



# Chargers for Traction Batteries

## COMPACT 30 Three Phase (Wa) Series

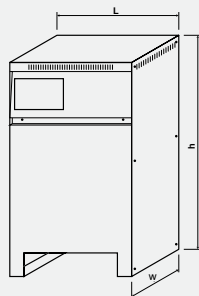
### Technical Characteristics

- 3 x 400V three-phase supply, adjustable to +/-5% or +/-10%
- Microprocessor controlled programming and measuring via digital gearcase 24V-50 Hz supply
- 230V coil three-pole contactor
- DC fuse on rectifier output
- Delta-Star stray flux three-phase power transformer, TENVEX copper windings with double enamel insulation, class H, impregnated in autoclave with ecological epoxy resins, with thermocouples for disconnection due to maximum temperature
- Three-phase rectifier bridge with silicon diodes, natural cooling, with snubber protection
- Mains input with DC output polarized cables
- Modular installation on galvanized steel base
- Sheet steel case with modular panels so as to assure maximum accessibility in case of service
- Epoxy powder coating, oven baked
- Standard Colour: RAL 2004
- Lexan Plate with charging data
- Equalize recall push button
- ON-OFF push button
- Option to adjust the charging time from 90 to 210 minutes
- Option to adjust the threshold voltage from 2.3 to 2.4 V/Cell
- Timed equalization charge
- LED signaling of the charging phases or result
- Fast check of functions and times
- Option to program the equalize charge automatically
- Lab tested electronic circuit conforming to the directive on electromagnetic compatibility and CE marking
- Automatic shutdown of the battery charger due to battery disconnection
- Automatic Start
- Complete with mains and battery cable

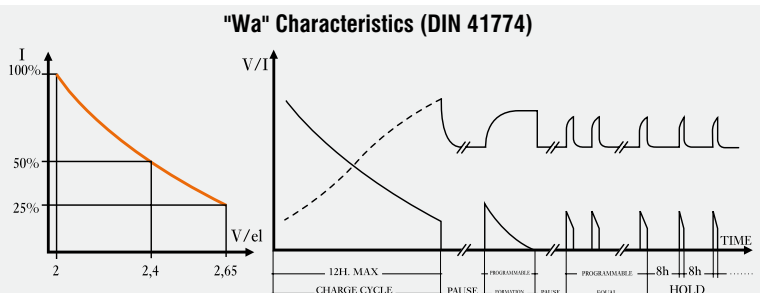


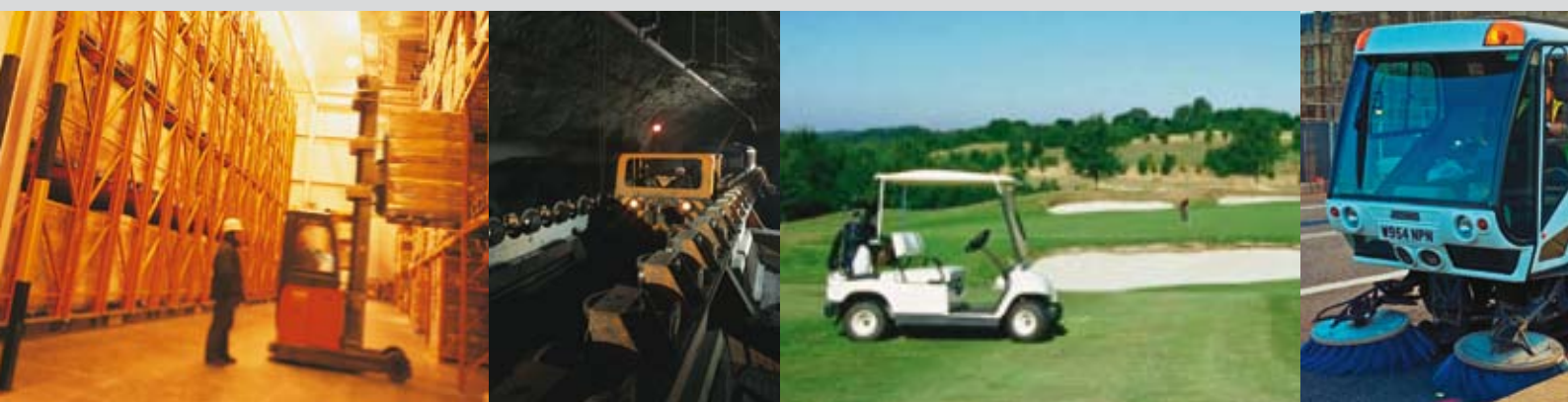
### Box Dimensions

	Type A	Type B	Type C
H:	700	870	960
L:	470	470	565
W:	465	465	500



### Characteristic Curves





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Product Range							
Product Type	Battery Capacity (Ah) Charging Period (9-10 h)	Voltage Main (V)	P (kW)	Box Dimensions (mm)			Unit Weight (kg)
				Length	Width	Height	
24V-60A	320-370	230/400	2.30	470	465	700	46
24V-80A	375-500	230/400	3.08	470	465	700	46
24V-100A	500-625	230/400	4.00	470	465	700	49
24V-120A	625-750	230/400	4.65	470	465	700	61
24V-140A	750-875	230/400	5.50	470	465	700	66
24V-160A	875-1000	230/400	6.10	470	465	700	71
24V-180A	1000-1125	230/400	6.80	470	465	700	76
36V-60A	320-375	230/400	3.40	470	465	700	51
36V-80A	375-500	230/400	4.55	470	465	700	56
36V-100A	500-625	230/400	5.70	470	465	700	64
36V-120A	625-750	230/400	6.80	470	465	700	69
36V-140A	750-875	230/400	8.06	470	465	870	76
48V-60A	320-370	230/400	4.50	470	465	700	59
48V-80A	375-500	230/400	5.90	470	465	700	63
48V-100A	500-625	230/400	7.40	470	465	700	70
48V-120A	625-750	230/400	9.20	470	465	870	76
48V-140A	750-875	230/400	10.50	470	465	870	81
48V-160A	875-1000	230/400	12.00	470	465	870	89
72V-60A	320-370	230/400	6.50	470	465	700	71
72V-80A	375-500	230/400	9.20	470	465	700	76
72V-100A	500-625	230/400	11.00	470	465	870	88
72V-120A	625-750	230/400	13.50	470	465	870	93
72V-140A	750-875	230/400	16.10	565	500	960	101
80V-60A	320-370	230/400	7.30	470	465	700	72
80V-80A	375-500	230/400	10.00	470	465	700	77
80V-100A	500-625	230/400	12.10	470	465	870	91
80V-120A	625-750	230/400	15.00	470	465	870	97
80V-140A	750-875	230/400	17.90	565	500	960	102
80V-160A	875-1000	230/400	20.50	565	500	960	133
96V-60A	320-370	230/400	9.20	470	465	870	75
96V-80A	375-500	230/400	12.00	470	465	870	85
96V-100A	500-625	230/400	15.00	470	465	870	92
96V-120A	625-750	230/400	18.40	470	465	870	101

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