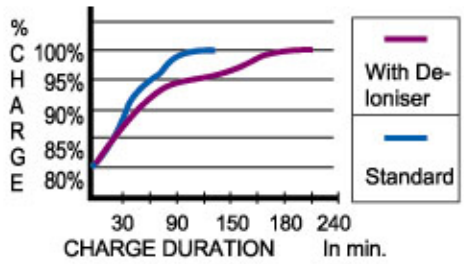
CALDYNE, the largest Standby Charger manufacturer in India, are dedicated to design & development of new generation battery Chargers to cater to widest application areas.

The "Revolution" series of Traction Battery Charger is probably the only of its kind having unique de-ionising tool to charge the Battery within fastest possible time but keeping temperature rise (much lower) compared to standard charging method.

Pulsed equalise charging enhances battery life by slowing down the process of negative plate antimony poisoning.

New generation µ-processor based controller ensures total monitoring and fault shooting through mimic and control of charging process irrespective of the age and state of charge of Battery.

- Battery friendly charging features
- Negative plate de-ioniser
- Super-fast charging
- Minimum temperature rise
- Reduced antimony leaching
- Lower topping-up frequency
- Operation monitoring by mimic



Benefits of Revolution series

Life, performance and maintenance of batteries largely depends on the performance of charger and CALDYNE Revolution series of Traction charger is a perfect match with the flooded lead acid battery to provide optimal energy solution for motive power.

Faster Recharge time 18%

The Revolution series of Traction Battery Charger probably the only of its kind having unique de-ionising tool to charge the Battery within fastest possible time but keeping temperature rise even lower compared to standard WA or CC/CV profile charging method. The unique µ Software ensures determination of approximate gassing point thereby ionisation of the plate surface and commands the controller to de-ionise and for sequential optimal charging.

Lower Temperature rise 11%

The natural failure mechanism of battery is due to grid corrosion and the kinetics of corrosion increases with higher temperature of electrolyte. The new µ software of Revolution series reduces the resistance to charge acceptance of battery by precise depolarization of plate, which in turn reduces the temperature rise for an extra life.

Superior performance

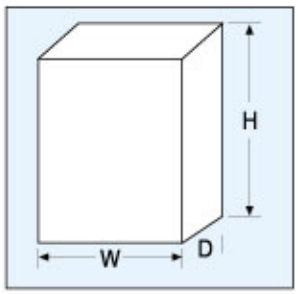
Pulsed equalise charging enhances battery performance and reduces maintenance intervals by slowing down the process of negative plate antimony poisoning.

µ-processor based controller ensures total monitoring of the charging process through mimic and controls every sequence, irrespective of the age of battery. It also caters to the input voltage variation of ± 10% from 230V for 1Ø and 415V for 3Ø.

Charger Selection Chart

Charger Rating	Capacity of the battery (AH)*			
	7 hrs.	8 hrs.	9 hrs.	10 hrs.
10 Amps	66	68	73	79
20 Amps	132	137	146	158
30 Amps	197	205	220	238
40 Amps	263	273	293	317
50 Amps	329	342	366	396
60 Amps	395	410	439	475
70 Amps	461	478	512	554
80 Amps	526	546	585	634
90 Amps	592	615	659	634
100 Amps	658	683	732	792
120 Amps	790	820	878	950
140 Amps	921	956	1025	1109

* Duration charging from 80% DOD



Cubicle Dimension in

Panel Type	H	W	D
S	650	500	400
M	800	500	400
L	1250	700	750

Cubicle Type

Charger Rating	12 Volts	24 Volts	36 Volts	48 Volts		72 Volts		96 Volts	
	1Ø	1Ø	1Ø	1Ø	3Ø	1Ø	3Ø	1Ø	3Ø
10-30 Amps.	S	S	S	S	M	S	M	M	M
40-80 Amps.	S	S	M	M	L	L	L	L	L
90-140 Amps.	S	M	L	L	L	L	L	L	L