

Rechargeable Nickel Cadmium BATTERIES (ATPS / 37/ 2013)

Required Quantity 184+4 Spare = 188

1- BATTERIES SPECIFICATION as per the following table :

Item	BATTERIES SPECIFICATION	
1	Type of cells	Nickel Cadmium
2	No. of Cell	(installed) 184 Cell / (Requested 188 Cell)
3	Total voltage	250 VDC
4	Total Amp. Hour	1299 Ah
5	Float voltage	1.4 V / Cell
6	open circuit voltage fully charged	1.34 V /cell
7	Capacity	6 hour discharging rate to 1.14 V / Cell
8	Type of Plate	Stat of Art
9	Ambient temperature	55 C°
10	Electrolyte	KOH (potassium hydroxide)
11	material of container	polypropylene
12	cell dimensions (HXWXD) mm	Equivalent to SAB-NIFE L430 405X195X437
13	Applicable standards	IEC 60092-305 / IEC 60623-09

- 2- All cells shall be filled and charged by the factory and have already the cell oil in place .
- 3- Manufacture date at least 2012 .
- 4- Cell dimensions shall be Equivalent to SAB-NIFE L430 to insure using of the existing racks and links .
- 5- Delivery first week of October - 2013 - materials on site .
- 6- Documentation:-
Complete battery cell documentary include
 - a- Installation / first time charging instruction.
 - b- Periodic maintenance .
 - c- Required chemical test during operation with the acceptable limits .
 - d- Electrolyte type and component percentage .
 - e- Disposal instruction of the use Batteries .
 - f- CAS No. or safety Data sheet .