

interberg batteries



ISO 9001:08 -- ISO 14001:04
OHSAS 18001:07
Certificate No.: 09-QED-01427-TIC

XAG



Alkaline Aircraft Batteries Catalogue

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Interberg Batterie is one of the most respected and leading companies within the world's battery business, always looking for the latest advanced technical know-how, the most sophisticated production machinery and the most modern laboratory equipment. Interberg Batteries has got ISO 9001, ISO 14001 as well as OHSAS 18001 certifications.

Interberg Batteries is a well known provider of stored energy solutions for virtually any imaginable application, thanks to the widest spectrum of battery technologies and ranges it offers to the market:

ALKALINE (NICKEL-CADMIUM) BATTERIES:

- KPH, KPL, KPM Vented Pocket Plate Battery Cells
- KPX Vented Sintered Plate Battery Cells
- HRP, LRP, MRP Vented Alkaline Pocket Plate Railway Batteries
- XRG Vented Sintered Plate Railway Batteries
- KGL, KGM Valve Regulated Battery Cells
- SNC Solar Energy Vented Battery Cells
- XAG Alkaline Nickel Cadmium Aircraft Batteries

ALKALINE NICKEL-IRON BATTERIES:

- SNF Renewable Energy Battery Cells

STATIONARY LEAD-ACID BATTERIES:

- VRLA-AGM Flat Plate Cells and Blocks
- VRLA-GEL Flat Plate Cells and Blocks
- OPzS Tubular Plate Vented Battery Cells and Blocks
- OPzV Tubular Plate Valve Regulated Battery Cells and Blocks
- GRoE (Plantè) Vented Battery Cells

MOTIVE POWER BATTERIES

- LiFePO4 Lithium Batteries for Stand-by Use and for Electrical Vehicles
- PzS, PzB Traction lead-acid batteries for Forklift Trucks

AUTOMOTIVE BATTERIES

- JIS Standard Vented and Sealed Maintenance-Free Car Batteries
- DIN Standard Vented and Sealed Maintenance-Free Car Batteries

SILICON BATTERIES

- SEV Series Silicon Batteries for Electrical Vehicles
- STB Series Silicon Batteries for Telecom and Stationary Applications
- SHE Series Silicon High Energy Batteries for Solar Installations

Interberg also supplies other excellent complementary products:

CHARGERS/RECTIFIERS, UPS, OFF-GRID SOLAR POWER GENERATION SETS AND OFF-GRID SOLAR STREET LIGHTING

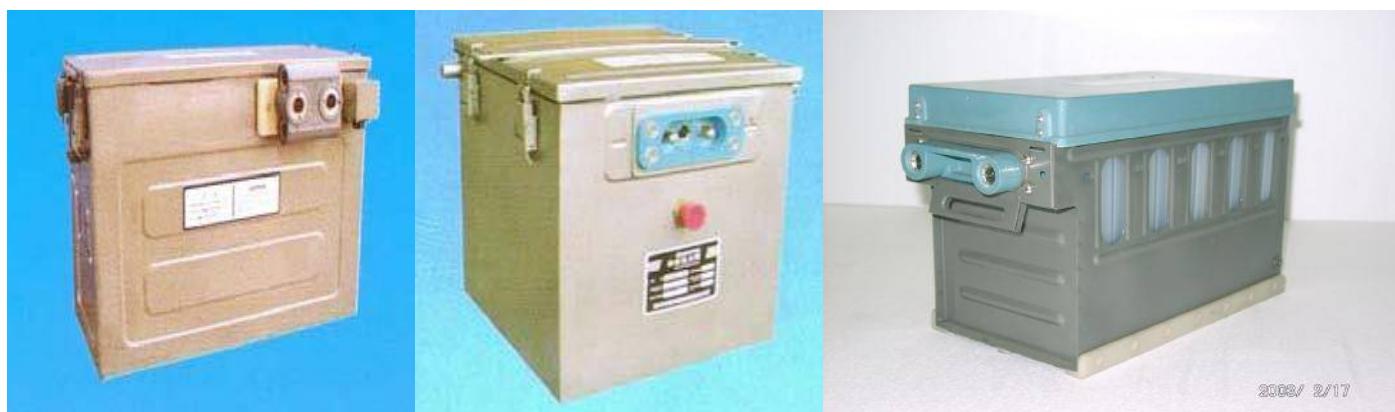
All data contained in this catalogue are subject to manufacturing tolerances. None of the data herein contained can be taken as a contractual commitment.



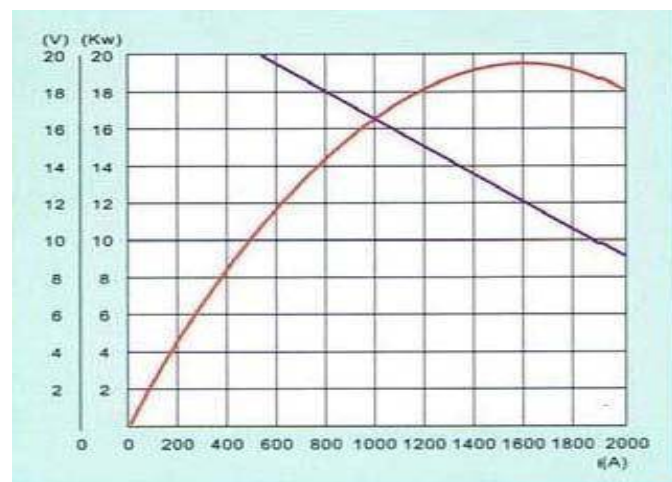
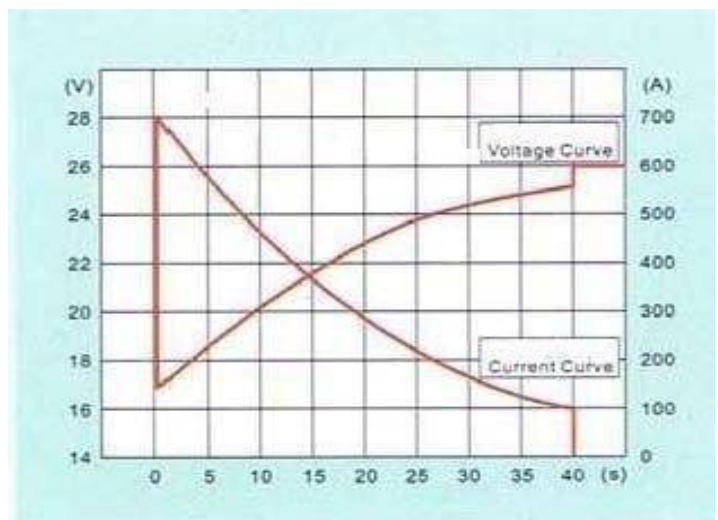
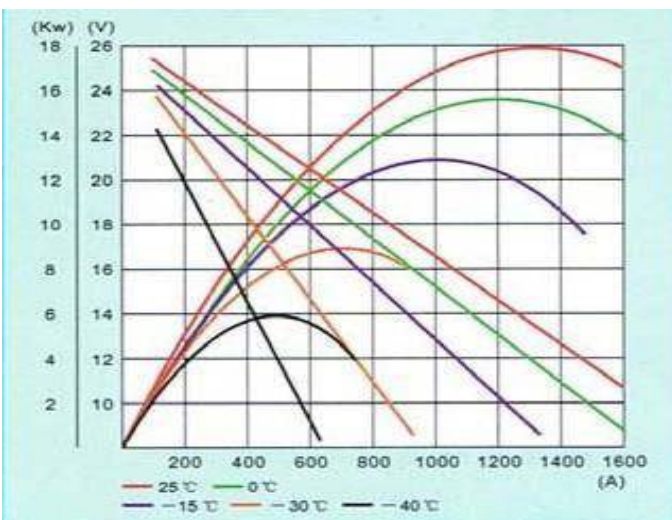
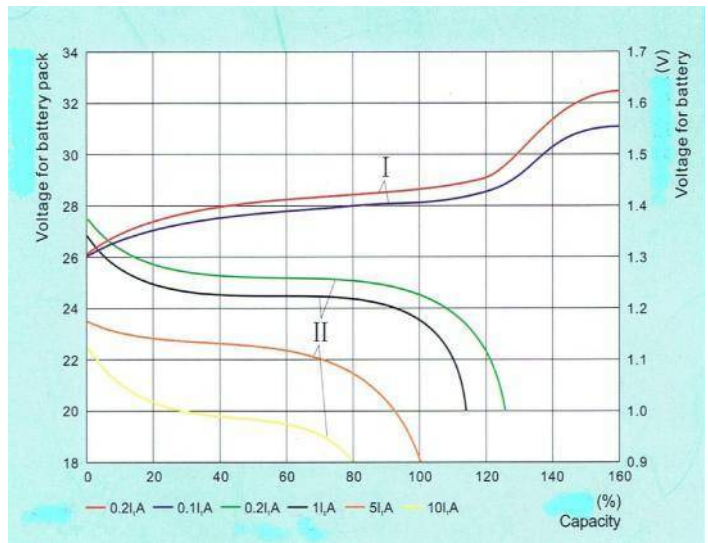
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NiCd-Aircraft Batteries



The main characteristics of NiCd Aircraft Batteries are: a big power density, combined with an outstanding energy density, which enables the battery to have an excellent good performance with high discharge currents under an extremely low internal resistance which also contributes to an exceptionally long service life, thanks, also, to the proven high mechanical strength, making, altogether, the NiCd aircraft battery to be the best choice for operation under the widest temperature range for: on-board emergency power supply, DC power supply for communication equipment, operation of various instruments or starting purpose.



Description of the Graphics :

Top Right: Charge/Discharge Curves

Center Left: Power + Voltage characteristics as a function of discharge current at different temperatures (at 0.3 seconds).

Center Right: Starting Characteristics

Bottom Left: Starting Discharge Curve at ambient temperature (at 0.3 seconds).

XAG Ni-Cd Aircraft Battery Cells

Types, Capacities and Dimensions

Battery Models	Nominal Capacity (Ah)	Nominal Voltage	Max. Weight (Kg)	Max. Length (mm)	Max. Width (mm)	Max. Height (mm)	Terminal Type
XAG-05.5A	5.50	1.20	0.28	25	56.50	102	M5
XAG-15.0A	15	1.20	0.75	33	54	169	M10
XAG-15.0B	15	1.20	0.60	28.50	60.50	141	M6
XAG-23.0A	23	1.20	1.10	35	79	175.50	M10
XAG-23.0B	23	1.20	1.10	28.50	80	214	M10
XAG-23.0C	23	1.20	1.10	28.50	80	214	M10
XAG-25.0A	25	1.20	1.10	39	80.10	173	M10
XAG-25.0B	25	1.20	1.10	28.50	80	214	M10
XAG-25.0C	25	1.20	1.25	40.50	85.50	172.80	M10
XAG-25.0D	25	1.20	1.10	49	58.50	173	M10
XAG-32.0A	32	1.20	1.05	36	57	203	M10
XAG-32.0B	32	1.20	1.05	36	57	203	M10
XAG-36.0A	36	1.20	1.50	36	80	236.50	M10
XAG-36.0B	36	1.20	1.50	36	80	236.50	M10
XAG-40.0A	40	1.20	1.50	36	80	236.50	M10
XAG-40.0B	40	1.20	1.50	36	80	236.50	M10
XAG-40.0C	40	1.20	1.70	38.50	80	264.50	M10



XAG Ni-Cd Aircraft Battery Packs

Types, Capacities and Dimensions

Battery Models	Nominal Capacity (Ah)	Nominal Voltage	Max. Weight (Kg)	Max. Length (mm)	Max. Width (mm)	Max. Height (mm)	Terminal Type
20-XAG-05.5	5.50	24	8.0	288	172	123	Steel
20-XAG-15.0	15	24	17.50	292	168	207	Steel
20-XAG-23.0A	23	24	24.60	370	180	230	Steel
20-XAG-23.0B	23	24	25.50	254	248	212	Steel
20-XAG-25.0A	25	24	24.70	370	175.50	229	Steel
20-XAG-25.0B	25	24	29.30	293	265	182	Steel
20-XAG-32.0A	32	24	26.00	441	131	210	Steel
20-XAG-32.0B	32	24	25.50	443	126	214	Steel
20-XAG-36.0A	36	24	37.20	414	209.50	268.50	Steel
20-XAG-40.0A	40	24	37.20	418	227	268.50	Steel
20-XAG-40.0B	40	24	37.00	303	276	263	Steel
20-XAG-40.0C	40	24	43.70	325	275	285	Steel
20-XAG-40.0D	40	24	36.00	300	268.40	262	Steel
20-XAG-40.0E	40	24	36.05	305	253	257	Steel

Remarks :

20-XAG23: 2758-Airbus,
20-XAG40B: 4579-Boeing,
20-XAG40C: 4059-Airbus
20-XAG40D: 40176, 4017CH, Boeing
20-XAG25: TU-154





Advantages of Interberg XAG NiCd Aircraft Batteries

- operate in a temperature range from -30°C to +70°C.
- excellent high current discharge capability due to the very low internal resistance.
- very fast recharge (100% capacity can be restored very quickly in a very short time)

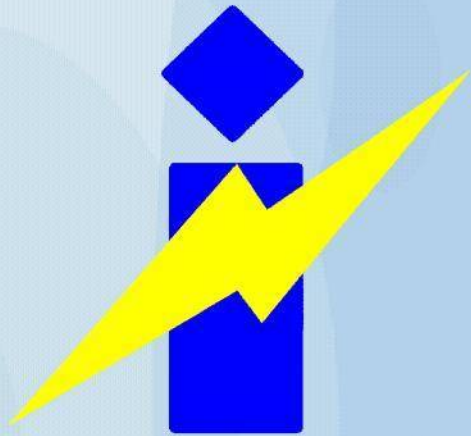
- No thermal "run-away" effect thanks to the special cell construction and the excellence of its components.
- Outstanding behavior against over-charging.
- Long shelf-life (+10°C - +35°C) at ambient storage temperature.
- Long Life expectancy.
- Very low self-discharge.



Long maintenance intervals due to

- o a very low water consumption,
- o a large electrolyte reserve in the cells
- o the genuine plate group construction
- o the cell design.

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