

**Type range**  
**Vented batteries**



Current behaviour	++++	+++	+++	+++	+++	+	+
Capacity range	78 - 2860 Ah	132 - 4177 Ah	23 - 348 Ah	125 - 3810 Ah	80 - 230 Ah	213 - 3028 Ah	50 - 302 Ah
Nominal voltage range	2 V	2 V	4 V, 6 V, 12 V	2 V	6 V	2 V	6 V, 12 V
Container material	SAN, clear	SAN, clear	PP, highly translucent	SAN, clear	SAN, clear	SAN, clear	PP, highly translucent
Grid alloy	Positive	Pure lead	Pb + <2% Sb	Pb + <2% Sb	Pb + <2% Sb	Pb + <2% Sb	Pb + <2% Sb
	Negative	Pb + <2% Sb	Pb + <2% Sb	Pb + <2% Sb	Pb + <2% Sb	Pb + <2% Sb	Pb + <2% Sb
Positive electrode	Planté	Grid	Grid	Grid	Grid	Tubular plate	Tubular plate
Negative electrode	Grid	Grid	Grid	Grid	Grid	Grid	Grid
Electrolyte	H <sub>2</sub> SO <sub>4</sub> , liquid	H <sub>2</sub> SO <sub>4</sub> , liquid	H <sub>2</sub> SO <sub>4</sub> , liquid	H <sub>2</sub> SO <sub>4</sub> , liquid	H <sub>2</sub> SO <sub>4</sub> , liquid	H <sub>2</sub> SO <sub>4</sub> , liquid	H <sub>2</sub> SO <sub>4</sub> , liquid
Applications							
Connector design	Fully isolated bolted connector	Fully isolated bolted connector	Fully isolated bolted connector	Fully isolated bolted connector	Fully isolated bolted connector	Fully isolated bolted connector	Fully isolated bolted connector
Design life up to	25 years	18 years	15 years	20 years	20 years	20 years	18 years
Charging voltage in V/cell	- Float charge: 2.23 V - Boost charge: 2.40 V	- Float charge: 2.25 V - Boost charge: 2.40 V	- Float charge: 2.23 V - Boost charge: 2.40 V	- Float charge: 2.23 V - Boost charge: 2.40 V	- Float charge: 2.23 V - Boost charge: 2.40 V	- Float charge: 2.23 V - Boost charge: 2.40 V	- Float charge: 2.23 V - Boost charge: 2.40 V
Float charging current/100 Ah nominal capacity (20 °C, Ufloat = 2.23/2.25 V/cell)	20 - 40 mA	20 - 50 mA	20 - 50 mA	20 - 50 mA	20 - 50 mA	20 - 50 mA	20 - 50 mA
Horizontal operation	no	no	no	no	no	no	no
Water-refilling intervals at trickle charging	- at 20 °C without grid   AquaGen pro: >3 years extremely extended - at 20 °C with grid   AquaGen pro: >3 years extremely extended	- at 20 °C without grid   AquaGen pro: >1,5 years extremely extended - at 20 °C with grid   AquaGen pro: >1,5 years extremely extended	- at 20 °C without grid   AquaGen pro: >3 years extremely extended - at 20 °C with grid   AquaGen pro: >3 years extremely extended	- at 20 °C without grid   AquaGen pro: >1,5 years extremely extended - at 20 °C with grid   AquaGen pro: >1,5 years extremely extended	- at 20 °C without grid   AquaGen pro: >3 years extremely extended - at 20 °C with grid   AquaGen pro: >3 years extremely extended	- at 20 °C without grid   AquaGen pro: >1,5 years extremely extended - at 20 °C with grid   AquaGen pro: >1,5 years extremely extended	- at 20 °C without grid   AquaGen pro: >3 years extremely extended - at 20 °C with grid   AquaGen pro: >3 years extremely extended
Self discharge of nominal capacity at 20 °C ambient temperature per month	~ 3%	~ 3%	~ 3%	~ 3%	~ 3%	~ 3%	~ 3%
Operating temperature range	-20 °C to +40 °C	-20 °C to +40 °C	-20 °C to +40 °C	-20 °C to +40 °C	-20 °C to +40 °C	-20 °C to +40 °C	-20 °C to +40 °C
Ventilation requirement	according to IEC 62485-2	according to IEC 62485-2	according to IEC 62485-2	according to IEC 62485-2	according to IEC 62485-2	according to IEC 62485-2	according to IEC 62485-2
Storage time at 20 °C before refreshing charge (max. 2 recharge intervals allowed)	1,5 months	3 months	3 months	3 months	3 months	3 months	3 months

**Legend**

