

Naps Battery Description



name: A606/612 series block batteries
 nominal voltage: 6V and 12 V
 nom capacity: 100-300 Ah (24h, 1.80V/cell, 20°C)

type: Valve-regulated lead-acid (VRLA),
 gel, tubular plate blocks
 for medium size photovoltaic systems



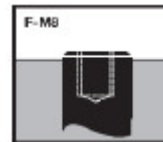
longest life sealed lead-acid battery option in this capacity range
 for high temperature environments
 if maintained and operated correctly

Specifications	nominal	Capacity (Ah) [1]			Dimensions			Weight
	V	10h	24h	100h	L mm [2]	W mm	H mm [3]	kg
A612/100	12	91	101	109	273	204	350	43
A612/150	12	137	151	164	381	204	350	63
A606/200	6	182	202	218	273	204	350	43
A606/300	6	274	300	329	381	204	350	62

- [1] Capacity at 20°C, after 5 cycles, 1.80V/cell
 [2] allow 8mm space lengthways in assembled battery
 [3] Height is height over terminals

Terminals and Contact Description

F-M8 Female Terminal with M8 Bolt 12 Nm torque



Brief description and features

'Sealed' valve-regulated lead-acid battery for heavy duty photovoltaic use
 No water additions needed or possible during lifetime
 Gelled electrolyte technology for best results at high temperatures
 Lead-calcium-tin alloys in both positive and negative plates
 Container / Cover: ABS UL 94 HB *optional: flame retardant case material V-0 (UL 94 V-0)*
 Acid gelled with fumed silica to minimise stratification
 Gas- and acid-tight pole bush allows for positive plate growth
 Pressure relief valve with flame arrestor assures operational safety. Operates at 100-150 mbar.

Self discharge rate: approximately 2% per month at 20°C ambient

Design life for non-PV (standby) use: 15 years at 20°C

Cycle life under IEC 896-2 conditions: 1200 cycles @ 60% depth of discharge relative to C10
This cycle life is only achieved if immediately fully recharged after every discharge

Estimation of service life in PV systems

average working temperature °C	if daily cycling years	less than
20	12	13%
25	8	19%
30	6	26%
35	4	37%
40	3	53%

of nominal capacity

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Specifications may change without notice due to Naps continuous product improvement policy.
 Please check actual specifications before ordering.

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