

Naps Battery Description

name: NPL 24-12 I
 voltage: 12V
 capacity: 24 Ah 20h, 20°C, 1.75V/cell
 product code: V8025

type: Valve-regulated lead-acid (VRLA),
 AGM (absorbent glass mat) type, flat plate
 for medium-duty photovoltaic use



Specifications	Capacity* (Ah)				Dimensions		Hmm with terminals	Weight kg
	V	5h	10h	20h	L mm	W mm		
NPL 24-12 I	12	20.4	22.3	24	166	175	125	9

* Capacity at 20°C, 1.75V/cell

Terminals and Contact Description

I means 'inverted terminal'. 17 mm insert for M5 Stainless Steel Bolt

Brief description and features

'Sealed' valve-regulated lead-acid battery for medium duty industrial use
 No water additions needed or possible during lifetime
 Absorbent glass mat (AGM) technology for best results at low temperatures
 Design life for non-PV (standby) use: 7-10 years at 20°C
 Cycle life according to manufacturer: 400 cycles at 50% of C5 capacity
This only achieved if immediately fully recharged after every discharge
 Can be used in any orientation excluding continuous use inverted
 Standard case material is flame retardant to UL94: HBØ
 FR option case material is flame retardant to UL94: VØ (oxygen index 30)
 NPL batteries comply with IEC 60896-21+22

Estimation of service life in PV systems

average working temperature °C	years	if daily cycling less than
20	8.0	5%
25	5.7	7%
30	4.0	9%
35	2.8	13%

of nominal (20h) capacity