

TECHNICAL DATA SHEET

DGY12-69



Applications



CYCLIC



STATIONARY



SOLAR



MARINE

Product features

- Maintenance free battery, no need for topping up throughout the whole service life
- Specific design for cyclic performance
- Spill & leak proof construction
- Thixotropic gel of highest purity used as electrolyte
- Safety valves
- Container and lid made from ABS (UL 94 V-0 version available on request)
- Low self-discharge
- Non dangerous good according to FAA and IATA classification

Specification

Nominal voltage	12 V
Nominal capacity	69 Ah
Design life	12 years
Operating temperature	-20°C to 50°C (-4°F to 122°F), recommended 15-25°C (59-77°F)
Grid alloy	Lead-calcium-tin
Electrode design	Flat grid, pasted
Separator	Microporous plastic separator
Active material	High purity lead and lead dioxide
Container and lid	ABS UL 94 HB (V-0 version on request)
Charge voltage	Float charging: 2.275 Vpc @ 20°C (68°F) Cyclic use: see instruction for use Maximum ripple: 0.05 C (A)
Electrolyte	Purified high grade sulfuric acid fixed in a GEL
Safety valve	EPDM rubber, opening pressure 10.5 bis 14 kPa (1.5 to 2 psi), closing pressure ca. 7 kPa (1 psi)
Terminal	Insert M8

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Physical Data

Dimension (±2 mm/± 0.08 inch)

Length	250 mm	9.84 inches
Width	150 mm	5.91 inches
Height	396 mm	15.6 inches
Height incl. terminal	401 mm	15.8 inches
Weight	30.4 kg	67.0 lbs
Terminal	Standard	Insert M8
	Option	-

Electrical Data

Nominal voltage		12 V
Capacity 20°C (68°F) to 1.7 Vpc	20 h	85.6 Ah
	10 h	76.6 Ah
	5 h	67.5 Ah
	1 h	46.6 Ah
	15 min	27.9 Ah
	Internal resistance	5.4 mΩ
	Impedance	-
Temperature correction factors (C20)	40°C (104°F)	102%
	20°C (68°F)	100%
	0°C (32°F)	85%
	-15°C (5°F)	65%
Self-discharge at 20°C (68°F) - capacity after	1 month storage	98%
	3 months storage	94%
	6 months storage	86%
Cold cranking current	CCA @ -18°C	-
Short circuit current	A @ 20°C	2100
Charging voltage	Float charging	2.27-2.30 Vpc 25-15°C (77-59°F)
	cyclic	See operating instruction

