



Nomad Power offers a line-up of high performance and zero maintenance commercial deep cycle batteries. The NOMAD POWER E2 has an extreme long design life (10 years) with zero maintenance required. Created for long life high cycle application such as solar and wind powered renewable energy storage. The NOMAD POWER E2 is suitable for solar and wind powered homes, TV / Radio stations and solar powered equipment. Additionally the High Cold Cranking Amps available make it suitable for a long-life dual use battery for marine and motorhome use.

APPLICATIONS

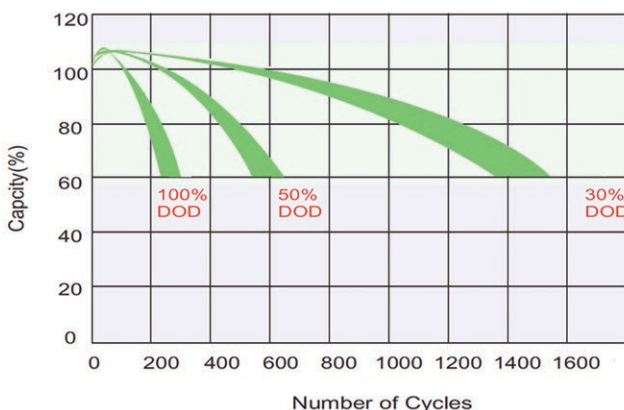
- ✔ Telecommunications
- ✔ Solar system
- ✔ Wind power system
- ✔ Engine starting
- ✔ Wheelchair
- ✔ Floor cleaning machines
- ✔ Golf trolley
- ✔ Boats

SPECIFICATION

Nominal Voltage	12V	
Nominal Capacity(100HR)	85.0AH	
Dimension	Length	260 ± 1mm (10.23 inches)
	Width	169 ± 1mm (6.65 inches)
	Container Height	211 ± 1mm (8.30 inches)
	Total Height (with Terminal)	215 ± 1mm (8.46 inches)
Approx Weight	Approx 21.5 kg (47.3 lbs)	
Terminal	T8	
Container Material	ABS	
Rated Capacity	85.0 AH/0.85A	(100hr, 1.80V/cell, 30°C/86°F)
	71.0 AH/3.55A	(20hr, 1.80V/cell, 30°C/86°F)
	68.0 AH/6.80A	(10hr, 1.80V/cell, 30°C/86°F)
	58.9 AH/11.7A	(5hr, 1.75V/cell, 30°C/86°F)
	53.3 AH/17.7A	(3hr, 1.75V/cell, 30°C/86°F)
	43.5 AH/43.5A	(1hr, 1.60V/cell, 30°C/86°F)
Max. Discharge Current	500A (2s)	
Internal Resistance	Approx 5.5mΩ	
Operating Temp.Range	Discharge :	-15 ~ 50°C (5 ~ 122°F)
	Charge :	0 ~ 40°C (32 ~ 104°F)
	Storage :	-15 ~ 40°C (5 ~ 104°F)
Nominal Operating Temp. Range	27 ± 3°C (80± 5°F)	
Cycle Use	Initial Charging Current less than 16.0A.Voltage	
	14.4V~14.6 at 25°C(77°F)Temp. Coefficient -30mV/°C	
Standby Use	13.5V~13.8V at 25°C(77°F)Temp. Coefficient -20mV/°C	
Capacity affected by Temperature	40°C (104 °F)	102%
	30°C (86 °F)	100%
	0°C (32 °F)	86%
Self Discharge	NOMAD POWER E2 series batterys may be stored for up to 3 months at 25°C(77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.	

CYCLE LIFE VS. DEPTH OF DISCHARGE

Testing condition
 Discharging:current 0.17C (FV 1.7V/cell);
 Charging:current 2.45V/cell,max. 0.25CA;
 Charging volume:125% of discharged capacity.



TERMINAL PHOTO

