E2 RENEWABLE ENERGY CELL

NOMAD

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 range are well known for stable and reliable performance. The battery can withstand overcharge, over discharge, vibration and shocks. It is also capable of extended storage, UPS, Standby or Cyclic Applications.

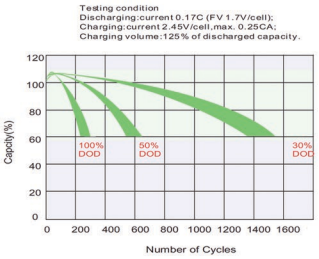
APPLICATIONS

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

SPECIFICATION

Nominal Voltage	12V
Nominal Capacity(100HR)	6.0AH
Dimension	Length 90 ± 1mm (3.54 inches) Width 70 ± 1mm (2.76 inches) Container Height 101 ± 2mm (3.98 inches) Total Height (with Terminal) 107 ± 2mm (4.21 inches)
Approx Weight	Approx 1.6 kg
Terminal	T1
Container Material	ABS
Rated Capacity	6.0 AH/0.06A (100hr, 1.80V/cell, 30°C/86°F) 5.40 AH/0.27A (20hr ,1.80V/cell,30°C/86°F) 5.30 AH/0.53A (10hr,1.80V/cell,30°C/86°F) 4.55 AH/0.91A (5hr,1.75V/cell,30°C/86°F) 4.10 AH/1.36A (3hr,1.75V/cell,30°C/86°F) 3.42 AH/3.42A (1hr,1.60V/cell,30°C/86°F)
Max. Discharge Current	75A (2s)
Internal Resistance	Approx 45mΩ
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 1.2A.Voltage 14.4V~14.7V at 25°C(77°F)Temp. Coefficient -30mV/°C
Standby Use	No limit on Initial Charging Current Voltage 13.5V~13.8V at 25°C(77°F)Temp. Coefficient -20mV/°C
Capacity affected by Temperature	40°C (104 °F) 103% 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



TERMINAL PHOTO