E2 RENEWABLE ENERGY CELL ULTRA

NOMAD

The E2 ULTRA combines the convenient and compact 12V form factor, with the ability to preserve battery capacity under the most extreme cycling conditions at a level normally only associated with 2V cells. Use the E2 ULTRA for long life, high cycle applications such as solar powered renewable energy storage.

Additionally the High Cold Cranking Amps available make it suitable for a long-life dual use battery for marine and motorhome use.

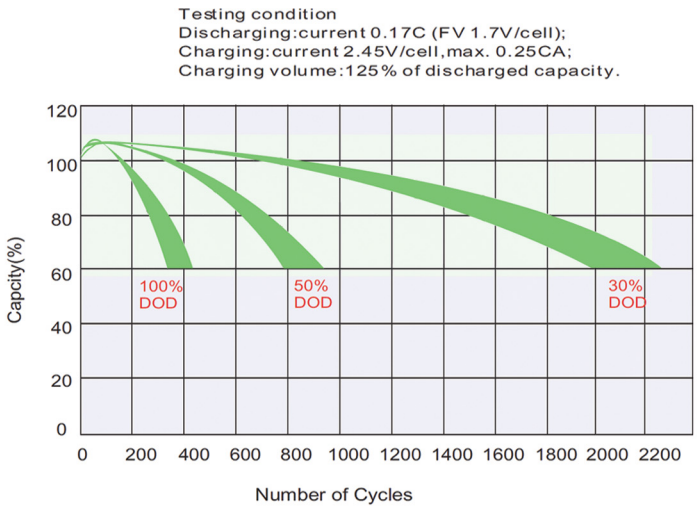
APPLICATIONS

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

SPECIFICATION

Nominal Voltage	12V
Nominal Capacity(100HR)	335.0AH
Dimension	Length 522 ± 3mm (20.55 inches) Width 268 ± 2mm (9.45 inches) Container Height 218 ± 2mm (8.58 inches) Total Height (with Terminal) 224 ± 2mm (8.81 inches)
Approx Weight	Approx 70.5 kg (155 lbs)
Terminal	T11
Container Material	ABS
Rated Capacity	335.0 AH/3.3A (100hr, 1.80V/cell, 30°C/86°F) 274.0 AH/13.7A (20hr ,1.80V/cell,30°C/86°F) 262.0 AH/26.2A (10hr,1.80V/cell,30°C/86°F) 228.1 AH/45.6A (5hr,1.75V/cell,30°C/86°F) 205.0 AH/68.3A (3hr,1.75V/cell,30°C/86°F) 167.5 AH/167A (1hr,1.60V/cell,30°C/86°F)
Max. Discharge Current	1200A (2s)
Internal Resistance	Approx 2.5mΩ
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 64.0A.Voltage 14.4V~14.6V 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) 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