



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.

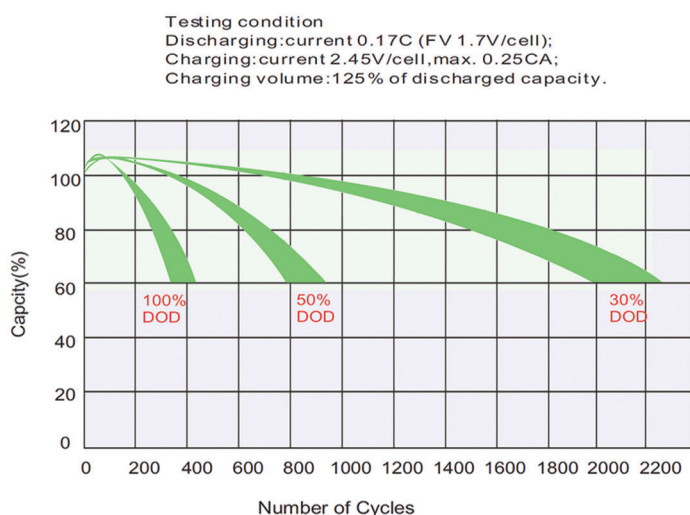
## APPLICATIONS

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

## SPECIFICATION

|                                  |                                                                                                                                                                                    |                                |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| Nominal Voltage                  | 12V                                                                                                                                                                                |                                |
| Nominal Capacity(100HR)          | 22.0AH                                                                                                                                                                             |                                |
| Dimension                        | Length                                                                                                                                                                             | 181 ± 1mm (7.14 inches)        |
|                                  | Width                                                                                                                                                                              | 76 ± 1mm (3.03 inches)         |
|                                  | Container Height                                                                                                                                                                   | 167 ± 1mm (6.59 inches)        |
|                                  | Total Height (with Terminal)                                                                                                                                                       | 167 ± 1mm (6.59 inches)        |
| Approx Weight                    | Approx 6.0 kg                                                                                                                                                                      |                                |
| Terminal                         | T3                                                                                                                                                                                 |                                |
| Container Material               | ABS                                                                                                                                                                                |                                |
| Rated Capacity                   | 22.0 AH/0.22A                                                                                                                                                                      | (100hr, 1.80V/cell, 30°C/86°F) |
|                                  | 19.4 AH/0.95A                                                                                                                                                                      | (20hr, 1.80V/cell, 30°C/86°F)  |
|                                  | 18.5 AH/1.85A                                                                                                                                                                      | (10hr, 1.80V/cell, 30°C/86°F)  |
|                                  | 16.0 AH/3.20A                                                                                                                                                                      | (5hr, 1.75V/cell, 30°C/86°F)   |
|                                  | 14.5 AH/4.83A                                                                                                                                                                      | (3hr, 1.75V/cell, 30°C/86°F)   |
|                                  | 11.7 AH/11.7A                                                                                                                                                                      | (1hr, 1.60V/cell, 30°C/86°F)   |
| Max. Discharge Current           | 255A (2s)                                                                                                                                                                          |                                |
| Internal Resistance              | Approx 16mΩ                                                                                                                                                                        |                                |
| 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 5.0A.Voltage 14.4V~14.6V 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

