



RENEWABLE
ENERGY
CELL ULTRA G2



Nomad Power offers a line-up of high performance and zero maintenance commercial deep cycle batteries. The NOMAD E2 ULTRA G2 (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 E2 ULTRA G2 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.

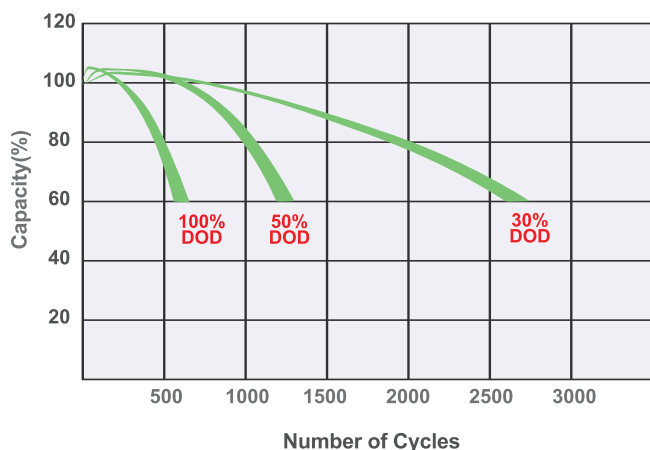
APPLICATIONS

- ✓ Residential or commercial off-grid systems
- ✓ RV and marine
- ✓ Engine starting
- ✓ Communication, Data centers and UPS
- ✓ Electric vehicles and motors

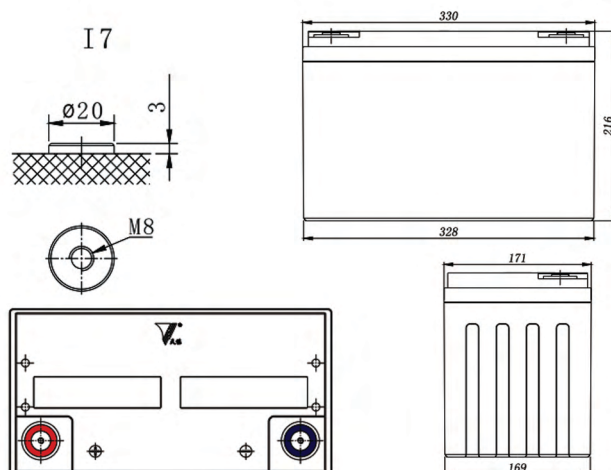
SPECIFICATION

Nominal Voltage	12V	
Nominal Capacity(100HR)	160AH	
Dimension	Length	330 ± 2mm (13.0 inches)
	Width	171 ± 2mm (6.73 inches)
	Container Height	216 ± 2mm (8.50 inches)
	Total Height (with Terminal)	216 ± 2mm (8.50 inches)
Approx Weight	Approx 33.7 kg (74.14 lbs)	
Terminal	T11 (M8)	
Container Material	ABS	
Rated Capacity	160.0AH / 1.6A	(100hr, 1.80V/cell, 30°C/86°F)
	127.4AH / 6.37A	(20hr, 1.80V/cell, 30°C/86°F)
	113.0AH / 11.3A	(10hr, 1.80V/cell, 30°C/86°F)
	110.5AH / 22.1A	(5hr, 1.75V/cell, 30°C/86°F)
	102.3AH / 34.1A	(3hr, 1.75V/cell, 30°C/86°F)
	89.6AH / 89.6A	(1hr, 1.60V/cell, 30°C/86°F)
Max. Discharge Current	500CCA	
Internal Resistance	4 mΩ	
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 20.0A	
Standby Use	13.5V~13.8V at 25°C(77°F) Temp. Coefficient -18mV/°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



TERMINAL PHOTO



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