





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           Length         522 ± 3mm (20.55 inch Width 268 ± 2mm (9.45 inch Container Height 218 ± 2mm (8.58 inch Total Height (with Terminal) 224 ± 2mm (8.81 inch Approx Weight Approx 70.5 kg (155 lbs)           Terminal         T11           Container Material         ABS           335.0 AH/3.3A (100hr, 1.80V/cell, 30°C/8 274.0 AH/13.7A (20hr ,1.80V/cell, 30°C/8 (20hr ,1.80V/cell, 30°C/8 228.1 AH/45.6A (5hr,1.75V/cell, 30°C/8 (5hr,1.75V/cell, 30°C/8 228.1 AH/45.6A)	
Length Width       522 ± 3mm (20.55 inch Width         Container Height Total Height (with Terminal)       218 ± 2mm (8.58 inch 218 ± 2mm (8.58 inch 218 ± 2mm (8.58 inch 224 ± 2mm (8.81	
Dimension         Width Container Height Container Height Height (with Terminal)         218 ± 2mm (8.58 inch 218 ± 2mm (8.58 inch 224 ± 2mm (8.81 inch 224 ±	
Terminal T11  Container Material ABS  335.0 AH/3.3A (100hr, 1.80V/cell, 30°C/8 274.0 AH/13.7A (20hr ,1.80V/cell, 30°C/8 (20hr ,1.80V/cell, 30°C/8 (10hr, 1.80V/cell, 30°C/8 (10hr, 1.80V/cell) (10hr, 1.80V/cell, 30°C/8 (10hr, 1.80V/cell) (10hr, 1.80V/cel	ches) ches)
Container Material ABS  335.0 AH/3.3A (100hr, 1.80V/cell, 30°C/8 274.0 AH/13.7A (20hr ,1.80V/cell,30°C/8 Rated Capacity 262.0 AH/26.2A (10hr,1.80V/cell,30°C/8	
335.0 AH/3.3A (100hr, 1.80V/cell, 30°C/8 274.0 AH/13.7A (20hr ,1.80V/cell,30°C/8 262.0 AH/26.2A (10hr,1.80V/cell,30°C/8	
274.0 AH/13.7A (20hr ,1.80V/cell,30°C/8 262.0 AH/26.2A (10hr,1.80V/cell,30°C/8	
226.1 AH/45.6A (51ft, 1.75V/cell,30 °C/6' 205.0 AH/68.3A (3hr,1.75V/cell,30 °C/8' 167.5 AH/167A (1hr,1.60V/cell,30 °C/8'	(86°F) (86°F) (86°F) (86°F)
Max. Discharge Current 1200A (2s)	
Internal Resistance Approx $2.5 \text{m}\Omega$	
Discharge: -15 ~ 50°C (5 ~ 122°F) Operating Temp.Range  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 -30m	nV/°C
Standby Use 13.5V~13.8V at 25°C(77°F)Temp. Coefficient -20m	nV/°C
40°C (104 °F)       103%         Capacity affected by Temperature       30°C (86 °F)       100%         0°C (32 °F)       86%	
NOMAD POWER E2 series batterys may be stored up to 3 months at 25°C(77°F) and then a freshenin charge is required. For higher temperatures the time interval will be shorter.	ing

# 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. 120 100 80 60 100% DOD 30% DOI 40 20 0 400 600 800 1000 1200 1400 1600 1800 2000 2200 Number of Cycles

#### TERMINAL PHOTO

