

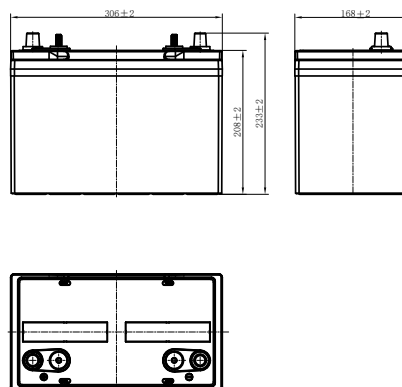
### DUAL PURPOSE

#### DEEP CYCLE STARTING

##### NPCDP12VN70ZZM



##### Dimensions (mm)



##### Physical Specification

|                        |                             |                         |
|------------------------|-----------------------------|-------------------------|
| Nominal Voltage        |                             | 12V                     |
| Nominal Capacity(20HR) |                             | 110Ah                   |
| Dimension              | Length                      | 306±2mm(12.05inches)    |
|                        | Width                       | 168±2mm(6.61inches)     |
|                        | Container Height            | 208±2mm(8.19inches)     |
|                        | Total Height(with Terminal) | 233±2mm(9.17inches)     |
| Weight                 |                             | Approx 28.5Kg(62.84lbs) |
| Terminal Type          |                             | Marine Twin             |
| Cell layout            |                             | 1                       |
| Hold-Down              |                             | B0                      |
| Cell plate qty         |                             | /                       |
| Case                   |                             | Blue-PP Material        |
| Cover                  |                             | Blue-PP Material        |
| Handle                 |                             | Blue-PP Material        |

##### Electrical Specification

|                                           |                    |       |
|-------------------------------------------|--------------------|-------|
| Rated Capacity                            | 20 hour rate(4.6A) | 110Ah |
| Reserve Capacity                          | 200min             |       |
| Cold Cranking Performance Amps@0°F(-18°C) | 800A               |       |

##### Terminals

##### Cell Layout

| Terminal Type | Marine Twin |
|---------------|-------------|
|---------------|-------------|

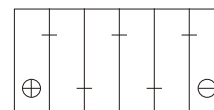
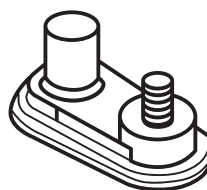
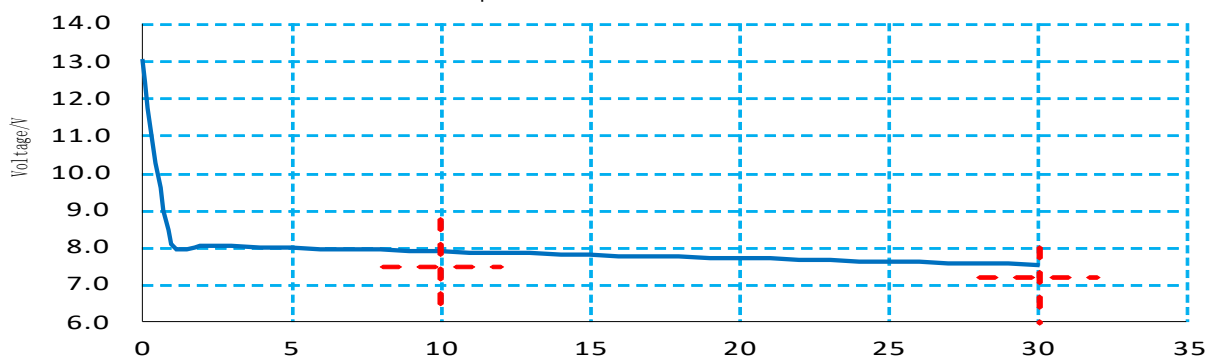


Figure (1)

##### Discharge Characteristics(-18°C,0°F)

NPCDP12VN70ZZM (CCA-SAE)  
CCA-SAE(@-18)with I=800A  
Spec  $U_{10s} \geq 7.5V$   $U_{30s} \geq 7.2V$



\*Values are subject to variation of +/- 5% in normal manufacturing processes.  
\*Technical specifications and the product line above could be changed without prior notice.