

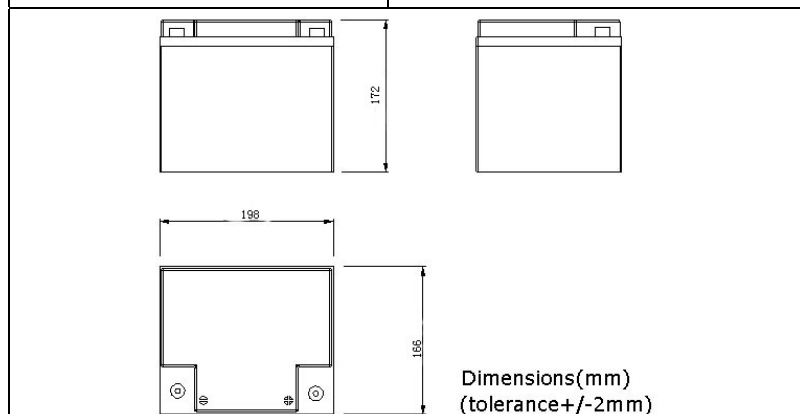
# EnergiVm

CE  MH 28269

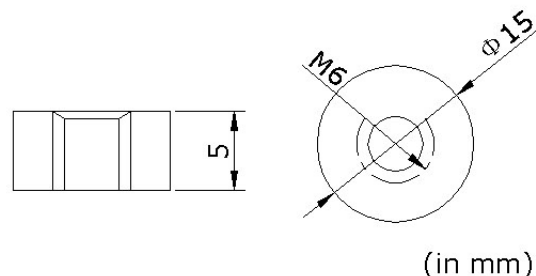
MVH12400(12V40AH)

## PHYSICAL SPECIFICATION

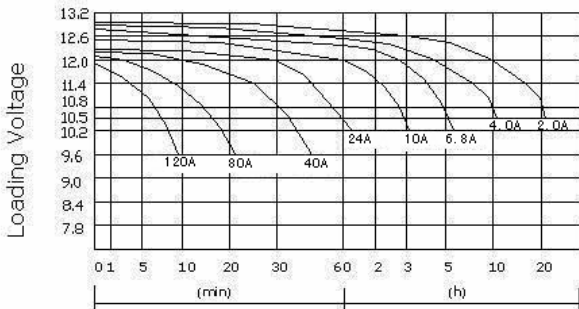
|                                            |                  |                                         |
|--------------------------------------------|------------------|-----------------------------------------|
| Nominal Voltage<br>Nominal Capacity (10HR) |                  | 12V<br>40Ah                             |
| Dimension                                  | Length           | 198±1mm (7.80 inches)                   |
|                                            | Width            | 166±1mm (6.54 inches)                   |
|                                            | Container Height | 172±1mm (6.77 inches)                   |
|                                            | Total Height     | 172±1mm (6.77 inches)                   |
| Weight                                     |                  | Approx.13.1 Kg (28.85lbs)               |
| Standard Terminal                          |                  | Bolt-and-nuts terminal<br>Bolt Type: M6 |



Bolt-and-nut terminal  
Bolt Type:M6



## ELECTRICAL SPECIFICATION

| Characteristics                  |                     |                                                                                                                   | Discharge curves @ 20℃ (68 ° F)                                                                                                       |  |
|----------------------------------|---------------------|-------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|--|
| Capacity                         | 20 hour rate (2.0A) | 42Ah                                                                                                              | <div>Discharge Characteristics(25℃/77 ° F)</div>  |  |
|                                  | 10 hour rate (4.0A) | 40Ah                                                                                                              |                                                                                                                                       |  |
|                                  | 5 hour rate (6.8A)  | 35Ah                                                                                                              |                                                                                                                                       |  |
|                                  | 3 hour rate (10A)   | 31Ah                                                                                                              |                                                                                                                                       |  |
|                                  | 1hour rate (24A)    | 25Ah                                                                                                              |                                                                                                                                       |  |
| Capacity affected by temperature | 40℃ (104 °F)        | 102%                                                                                                              |                                                                                                                                       |  |
|                                  | 25℃ (77 °F)         | 100%                                                                                                              |                                                                                                                                       |  |
|                                  | 0℃ (32 °F)          | 85%                                                                                                               |                                                                                                                                       |  |
| Self Discharge                   |                     | 3% of capacity declined per month at (20℃)                                                                        |                                                                                                                                       |  |
| Internal Resistance              |                     | Full charged battery (20℃,68 °F) 7m Ω                                                                             |                                                                                                                                       |  |
| Constant Voltage Charge          | Cycle               | Initial Charging Current less than 10.5A<br>Voltage 14.1~14.4V at 20℃ (68 °F )<br>Temperature Coefficient -30mV/℃ |                                                                                                                                       |  |
|                                  | Standby             | No limit on Initial Charging Current<br>Voltage 13.5~13.8V at 20℃ (68 °F )<br>Temperature Coefficient -20mV/℃     |                                                                                                                                       |  |