# PROFORMA 2026-037

| | |
|---|---|
| **CLIENTE** | CIENCIA INTERNACIONAL |
| **RUC:** | 20137290180 |
| **CONTACTO** | Sr Hector Antara |
| **CELULAR:** | 948 019 777 |
| **CORREO** | |
| **FECHA** | 03/03/2026 |

Es Grato dirigirnos a Uds. A fin de hacerles llegar nuestra propuesta económica por lo siguiente:

| ITEM | DESCRIPCION DEL PRODUCTO | CANTIDAD | P.U | TOTAL |
|---|---|---|---|---|
| 0.1 | BATERIAS SECAS SELLADAS DE LIBRE MANTENIMIENTO DE 12V 9AH MARCA RITAR MODELO HR12-36W<br>*Se adjunta ficha técnica para mayor información y Conformidad | 4 | $ 25.00 | $ 100.00 |
| | | | SUBTOTAL | $ 100.00 |
| | | | IGV | $ 18.00 |
| | | | TOTAL | $ 118.00 |

## CONDICIONES COMERCIALES

| | |
|---|---|
| FORMA DE PAGO: | PREVIO DEPOSITO |
| TIEMPO DE ENTREGA : | 01 DIA HABIL EN LIMA METROPOLITANA |
| VALIDEZ DE LA OFERTA : | 03 DIAS Y/O HASTA AGOTAR STOCK |
| EMITIR OC A NOMBRE: | GRUPO EDNA SAC \| RUC 20610690913 |
| DOCUMENTACION: | FACTURA Y GUIA DE REMISION |

| Entidad Bancaria | BBVA CONTINENTAL |
|---|---|
| Cuenta Ahorros Soles S/. | 0011-0316-0200821813 |
| Código CCI Soles S/. | 011-316-000200821813-79 |
| Cuenta Ahorros Dolares $ | 0011-0316-0200821848 |
| Código CCI Dolares $ | 011-316-000200821848-75 |

Habiendo recibido nuestra propuesta, esperamos su comunicación con alguna duda o consulta que estime conveniente.

**Paola Mego**
Dpto Comercial
Telf. 966 818 229
GRUPO EDNA S.A.C
ventas@ednaperu.com
www.ednaperu.com

No imprimas este mensaje sino es necesario, cuida el medio ambiente

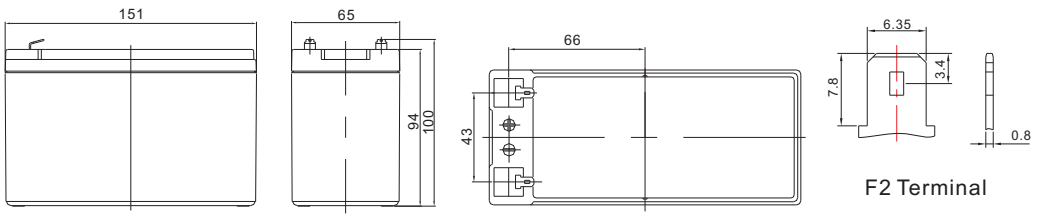
# HR12-36W

## Specification

| | |
|---|---|
| **Cells Per Unit** | 6 |
| **Voltage Per Unit** | 12 |
| **Capacity** | 36W@15min-rate to 1.67V per cell @25˚C |
| **Weight** | Approx. 2.60 Kg (Tolerance±4.0%) |
| **Internal Resistance** | Approx. 18 mΩ |
| **Terminal** | F2 |
| **Max. Discharge Current** | 90A (5 sec) |
| **Short Circuit Current** | 450A |
| **Design Life** | Could Reach 8 years |
| **Recommended Maximum Charging Current** | 2.7 A |
| **Reference Capacity** | C10 8.5AH<br>C20 9.0AH |
| **Standby Use Voltage** | 13.7 V~13.9 V @ 25˚C |
| **Cycle Use Voltage** | 14.6 V~14.8 V @ 25˚C |
| **Operating Temperature Range** | Discharge: -20˚C~60˚C<br>Charge: 0˚C~50˚C<br>Storage: -20˚C~60˚C |
| **Normal Operating Temperature Range** | 25˚C±5˚C |
| **Self Discharge** | RITAR Valve Regulated Lead Acid (VRLA) batteries can be stored for up to 6 months at 25˚C and then recharging is recommended. Monthly Self-discharge ratio is less than 3% at 25˚C.Please charge batteries before using. |
| **Constainer Material** | A.B.S. UL94-HB, UL94-V0 Optional. |

The HR (High Rate) series Valve Regulated Lead Acid (VRLA) battery is designed for heavy load discharge applications with 8 years design life in float service. By using strong grids and specially designed active material the HR series is with lower I.R, lower self discharge rate, high power, and longer service life performance. Generally the HR series offers 30% more power output than the standard range. Suitable for high power standby and cycling situation, such as UPS, datacenter, electric tools et al.

## Dimensions




| Length | 151±1mm (5.94 inches) |
|---|---|
| Width | 65±1mm (2.56 inches) |
| Height | 94±1mm (3.70 inches) |
| Total Height | 100±1mm (3.94 inches) |
| Terminal | Value |
| M5 | 6~7 N*m |
| M6 | 8~10 N*m |
| M8 | 10~12 N*m |

Unit: mm

### Constant Current Discharge Characteristics : A (25˚C)

| F.V/Time | 3MIN | 5MIN | 8MIN | 10MIN | 15MIN | 20MIN | 30MIN | 60MIN | 90MIN |
|---|---|---|---|---|---|---|---|---|---|
| 1.60V | 41.37 | 35.97 | 29.91 | 26.39 | 20.40 | 16.51 | 12.09 | 7.049 | 5.137 |
| 1.67V | 38.28 | 33.29 | 28.05 | 24.76 | 19.33 | 15.40 | 11.52 | 6.718 | 4.891 |
| 1.70V | 36.69 | 31.90 | 27.07 | 23.86 | 18.74 | 14.81 | 11.20 | 6.525 | 4.744 |
| 1.75V | 34.65 | 30.13 | 25.71 | 22.41 | 17.86 | 14.41 | 10.88 | 6.417 | 4.638 |
| 1.80V | 32.59 | 28.34 | 24.36 | 20.94 | 16.97 | 13.98 | 10.55 | 6.291 | 4.525 |
| 1.85V | 30.41 | 26.45 | 22.91 | 19.42 | 16.00 | 13.49 | 10.16 | 6.140 | 4.390 |

### Constant Power Discharge Characteristics : WPC (25˚C)

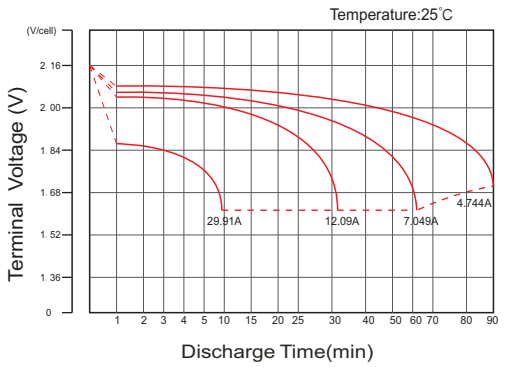
| F.V/Time | 3MIN | 5MIN | 8MIN | 10MIN | 15MIN | 20MIN | 30MIN | 60MIN | 90MIN |
|---|---|---|---|---|---|---|---|---|---|
| 1.60V | 74.9 | 65.2 | 55.0 | 48.8 | 37.9 | 30.3 | 22.3 | 13.0 | 9.5 |
| 1.67V | 70.0 | 60.9 | 52.1 | 46.2 | 36.3 | 28.6 | 21.4 | 12.5 | 9.2 |
| 1.70V | 67.9 | 59.0 | 50.8 | 45.1 | 35.6 | 27.8 | 21.1 | 12.3 | 9.0 |
| 1.75V | 64.9 | 56.5 | 48.9 | 42.9 | 34.4 | 27.4 | 20.7 | 12.3 | 8.9 |
| 1.80V | 61.9 | 53.9 | 47.0 | 40.6 | 33.1 | 27.0 | 20.4 | 12.2 | 8.8 |
| 1.85V | 59.0 | 51.3 | 45.1 | 38.4 | 31.9 | 26.6 | 20.0 | 12.2 | 8.7 |

(Note) The above characteristics data are average values obtained within three charge/discharge cycle not the minimum values.

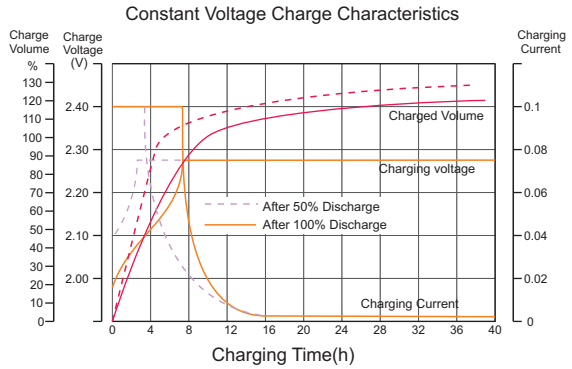
# HR12-36W

RITAR®

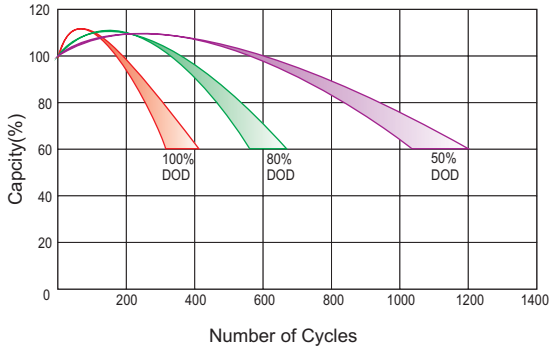
## Discharge Characteristics Curve



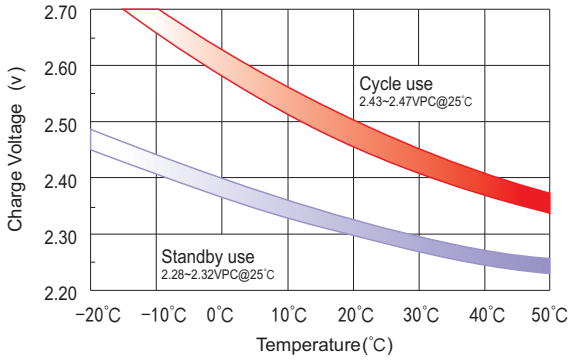

## Charge Characteristic Curve For Standby Use



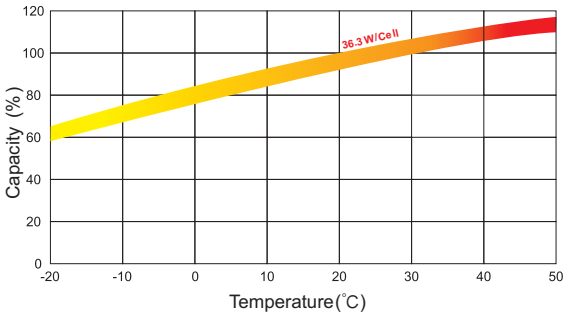

## Cycle Life In Relation To Depth Of Discharge



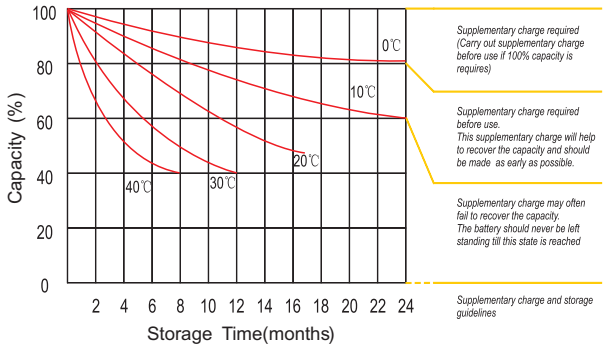

## Relationship Between Charging Voltage And Temperature



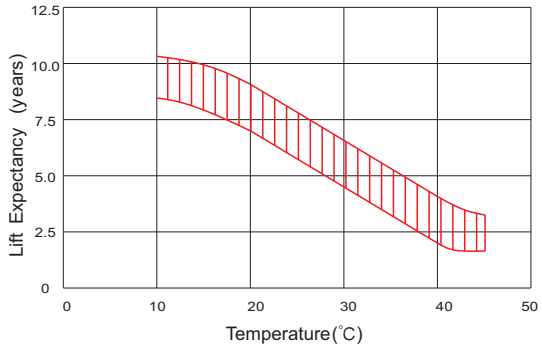

## Temperature Effects On Capacity



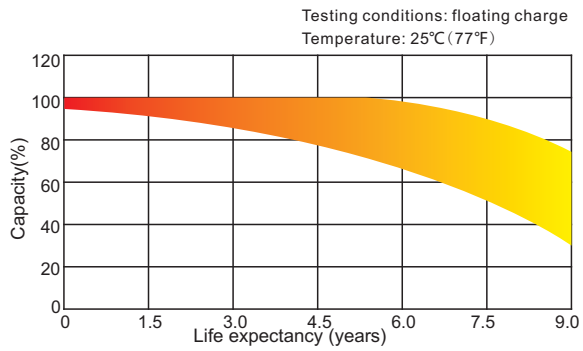

## Storage Characteristics




## Effect Of Temperature On Long Term Life




## Life Characteristics Of Standby Use





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