



ASSAD

BATTERIES INDUSTRIELLES

ASSAD *Solar* BATTERIES FOR RENEWABLE ENERGIES

Made in Africa ...

Throughout its 30 years experience producing batteries for renewable energy applications, ASSAD has developed a wide range of products in different technologies optimised for repeated deep cycling and high reliability. These products have been proven in several applications such as photovoltaic street lighting systems, solar traffic lights and off-grid solar and wind home systems.

| RANGE | SLP | SDV | GEL |
|---|-----------------------|-----------------------|-------------------------------------|
| System | Vented | Vented | Valve Regulated |
| Nominal Capacity (100h) | 100 - 200 Ah | 200 - 420 Ah | 70 - 220 Ah |
| Voltage | 12V | 6V - 12V | 6V - 12V |
| Positive Electrode | Flat PbSb | Tubular PbSb | Flat PbCaSn |
| Negative Electrode | PbSb | PbSb | PbCa |
| Separator | Polyethylene | Polyethylene | Low resistance microporous material |
| Container and lid | Polypropylene | Polypropylene | Polypropylene |
| Electrolyte | Liquid sulphuric acid | Liquid sulphuric acid | Sulphuric acid immobilised as a gel |
| Water Refilling Interval ⁽¹⁾ | 1 year | 1 year | N/A |
| Cycles at 20% DoD | 1700 | 5200 | 1700 |
| Cycles at 50% DoD | 810 | 2200 | 810 |

(1) Reference Values. Water refilling for vented batteries must be done when the volume of electrolyte goes below the minimum specified level



| Range | Nominal Voltage (V) | Nominal Capacity (Ah) | | Nominal Dimensions (mm) | | | Typical Weight (kg) |
|-------|---------------------|----------------------------|-----------------------------|-------------------------|-----------|------------|---------------------|
| | | 20hr rate to 1,75Vpc @20°C | 100hr rate to 1,85Vpc @25°C | Length (L) | Width (W) | Height (H) | |

SLP RANGE (Vented)

| | | | | | | | |
|--------|----|-----|-----|-----|-----|-----|----|
| SLP110 | 12 | 96 | 110 | 345 | 172 | 237 | 29 |
| SLP150 | 12 | 130 | 150 | 513 | 223 | 226 | 42 |
| SLP200 | 12 | 175 | 200 | 518 | 273 | 247 | 57 |

SDV RANGE (Tubular Vented)

| | | | | | | | |
|--------|----|-----|-----|-----|-----|-----|----|
| SDV200 | 12 | 180 | 200 | 320 | 203 | 481 | 68 |
| SDV230 | 12 | 200 | 230 | 320 | 203 | 481 | 68 |
| SDV420 | 6 | 400 | 420 | 290 | 203 | 481 | 64 |

GEL RANGE (VRLA)

| | | | | | | | |
|----------|----|-----|-----|-----|-----|-----|----|
| 12SLG70 | 12 | 60 | 65 | 276 | 175 | 189 | 21 |
| 12SLG90 | 12 | 80 | 85 | 350 | 175 | 189 | 24 |
| 12SLG100 | 12 | 100 | 105 | 344 | 172 | 276 | 34 |
| 12SLG120 | 12 | 110 | 120 | 344 | 172 | 276 | 37 |
| 12SLG200 | 12 | 195 | 205 | 517 | 273 | 230 | 61 |
| 6SLG220 | 6 | 210 | 220 | 244 | 190 | 274 | 30 |

New Product

