

## Solar power guide

To power up to 10 hives at a single apiary with solar, you will require-

### -1 solar panel with cables and fixtures

*(Recommended: 100 watt monocrystalline solar panel for 12V system)*

- Power: 100 watt
- Cell type: Monocrystalline
- Panel dimensions: 540 x 1200 x 35mm
- Mounting fixtures enable panel to be mounted on a roof, or free standing
- 7 m long connection cable 4 or 6 mm<sup>2</sup> with corresponding connectors on one side

RRP: Solar panel 98 €, Cable and connector 28 €, Roof fixture 70€ / Free standing fixture 45 €

### -1 Charge Controller

*(Recommended: PR1010 from Steca for 12VDC and 24VDC batteries)*

- Maximum charge current: 10A
- for 12V and 24V systems
- Dimensions: 187 x 96 x 44mm
- Connections for - Solar panel, battery and supply line 12 VDC

RRP: Charge Controller 75 €

### -1 Solar Battery

*(Recommended: AGM 32Ah 20HR 12V)*

- Capacity: 32 Ah (C20) at 12V voltage
- Terminal: M6 screws (screws included)
- Dimensions: 195 x 130 x 159 mm
- Connecting cable 1.5 m length with integrated fuse (10A)

RRP: Solar Battery 72 €, Connecting Cable 20 €

## To power up to 20 hives at a single apiary with solar, you will require-

### -2 solar panels with cables and fixtures

*(Recommended: 100 watt monocrystalline solar panel for 12V system)*

- Power per panel: 100 watts
- Cell type: Monocrystalline
- Dimensions per panel: 540 x 1200 x 35mm
- Mounting fixtures enable panels to be mounted on a roof, or free standing
- Coupling item for parallel connection of the panels
- 7 m Connection cable with 4 or 6 mm<sup>2</sup> one side with corresponding coupling items

**RRP: Solar Panels 196 €, Cabling set 40€, Roof fixture 88€ / Free standing fixture 90 €**

### -1 Charge Controller

*(Recommended PR2020 from Steca for 12V and 24V batteries)*

- Maximum charge current: 20A
- For 12V and 24V systems
- Dimensions: 187 x 96 x 44mm

**RRP: Charge Controller 100 €**

### -1 Solar Battery

*(Recommended AGM 101Ah 20HR 12V)*

- Capacity: 101Ah (C20) at 12VDC voltage
- Terminal: M8 screws
- Dimensions: 330 x 172 x 215 mm
- Connecting cable 1.5 m length with integrated Fuse (20A)

**RRP: Battery. 180 €, Battery cable 20€**