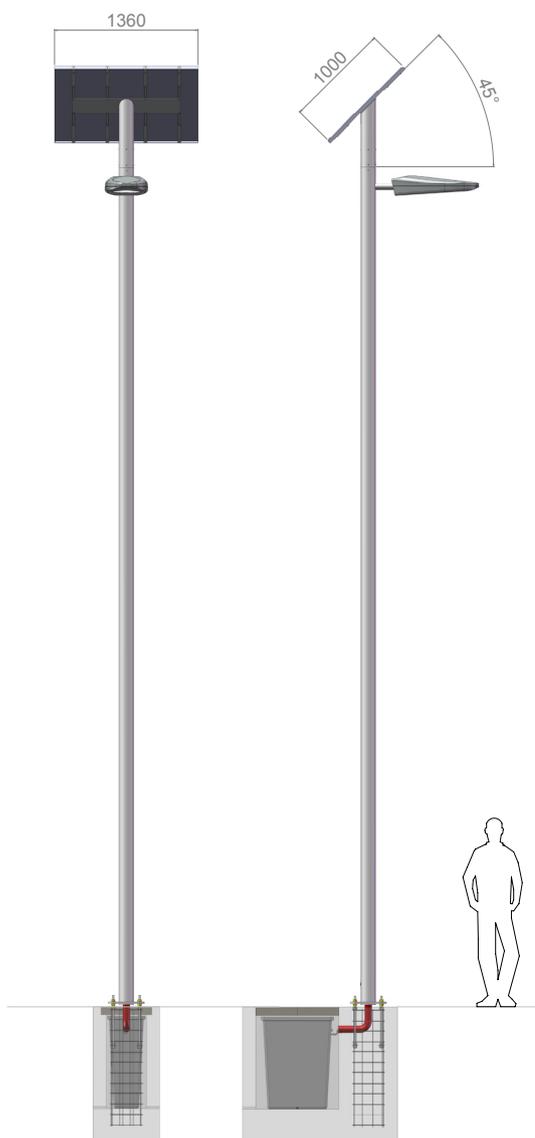




# DATA SHEET

## PRIESS FLATPANEL



### DESCRIPTION

Priess Flatpanel is a traditional, designed, flat-panel solar cell solution. The solution is made of high quality european components.

Priess Flatpanel is ideal for installations which require the solar panels to be higher than buildings and vegetation and which need to supply highly-efficient, stand-alone battery set-ups.

Priess Flatpanel combines PRIESS's familiar controlling of regulated MPPT battery-charging with LED lighting control. The Priess control system has a 365-day calendar which controls day-to-day consumption all year round.

The Priess control system ensures high-efficiency charging and maintains a balance between consumption and charged energy. Sensors can be connected to the control system to dim the lighting to the preferred level as lighting needs diminish.

The Priess control system is available with online access so the system user can monitor the column's production, consumption and battery voltage.

The light point source is flexible from 2.5 m - 12 m.

The column can be combined with conventional LED luminaires. For an additional cost the column can be painted in Class C2-C5. Additional the columns may be surface treated with anti-graffiti and anti-sticker.

**COLUMN**

<b>COLUMN</b>	<b>CYLINDRIC Ø159 / 4 MM / S235 / S355</b>
<b>STANDARD FINISH</b>	<b>HOT DIPPED GALVANIZED</b>
<b>STANDARD</b>	<b>EN 12944/ISO 1461</b>
<b>TOTAL HEIGHT</b>	<b>3,5 - 10 METER</b>
<b>TOTAL WEIGHT</b>	<b>100 - 400 KG</b>
<b>CERTIFICATE OF CONFORMITY</b>	<b>EN 40-5 / EN 10-90</b>

**BATTERY**

<b>STANDARD MODEL</b>	<b>AMG GEL, 12 VOLT 100AH</b>
<b>DIMENSIONS/WEIGHT</b>	<b>330 X 172 X 222 MM /31,6 KG</b>
<b>OPERATING TEMPERATURE</b>	<b>-20°C - + 50°C</b>
<b>LIFE CYCLES</b>	<b>2400 CYCLES AT MAX. 33% DOD</b>
<b>RECYCLABILITY</b>	<b>97% RECYCLABLE (CE 2006/66)</b>
<b>AUTONOMY</b>	<b>2-10 DAYS</b>
<b>ALTERNATIVE TECHNOLOGY</b>	<b>NIMH, LIFEPO4</b>

**CONTROL UNIT AND POWER MANAGEMENT SYSTEM**

<b>OPERATION MODE</b>	<b>STAND ALONE, SAFE, ACTIVE</b>
<b>BATTERY VOLTAGE</b>	<b>10-14,2 VDC</b>
<b>OPERATION TEMPERATURE</b>	<b>-40°C - + 85°C</b>
<b>CHARGE CONTROL</b>	<b>MPPT 6-40 VDC, 15A</b>
<b>LED DRIVER TYPE</b>	<b>INTEGRATED BOOST CONSTANT CURRENT</b>
<b>LED DRIVER SPEC.</b>	<b>NFC PROGRAMMABLE, 250W, 130 VDC, 2000MA</b>
<b>LED DIMMING</b>	<b>0 - 100%</b>
<b>DATA LOGGING</b>	<b>INTERNAL/CLOUD STORAGE</b>
<b>DATA ACCESS</b>	<b>USB/WIFI/GPRS</b>
<b>POWER MANAGEMENT</b>	<b>365 DAY CALENDAR, ASTRONOMICAL CLOCK</b>

**FLATPANEL SOLAR MODULES**

<b>TECHNOLOGY</b>	<b>MONOCRYSTALLINE &gt;16,75%, 3 MM TEMPERED GLASS</b>
<b>SHADOW PROTECTION</b>	<b>INTEGRATED BPD</b>
<b>DIMENSIONS</b>	<b>1324 X 992 X 35 MM</b>
<b>WATT PEAK</b>	<b>205 - 220 WP</b>
<b>EXPECTED LIFETIME</b>	<b>&gt;25 YEARS</b>
<b>STANDARD</b>	<b>EN 61215/61730, EN 61716, EN 61701, TS 62804-1</b>

**LED LUMINAIRE**

<b>TYPE</b>	<b>WIDE RANGE OF STANDARD LUMINAIRES</b>
<b>TECHNOLOGY</b>	<b>LED, SERIAL AND PARALLEL</b>
<b>WATTAGE</b>	<b>10-250W</b>

**FOUNDATION**

<b>WEIGHT</b>	<b>650 KG.</b>
<b>DIMENSIONS</b>	<b>500 X 600 X 1000 MM</b>
<b>MATERIAL</b>	<b>CONCRETE</b>

**ACCESSORIES**

<b>REMOTE WEB ACCESS COMMUNICATION</b>
<b>IR-SENSOR / MOTION DETECTION FOR MAXIMUM POWER SAVINGS</b>