CENTURION




# SMΔRT SOLAR CHARGER

Solar power for your gate operator

**AUTOMATIC**
VOLTAGE SELECTION

**SMΔRT**
CONFIGURABLE CHARGING

**POWER-SAVING**
SLEEP MODE




## SMΔRT SOLAR CHARGER

Keep your compatible SMΔRT or SMΔRT+ gate operator powered using energy from a solar panel. The **SMΔRT Solar Charger** provides an intelligent charging solution for supported 12V and 24V D-Series and V-Series gate operators.

Automatic voltage selection detects the connected battery configuration and determines whether the system requires a 12V or 24V charging output. Built-in temperature monitoring also reduces the charging current if the unit's internal temperature becomes too high.

When available solar-panel voltage is too low, such as at night or during very cloudy conditions, the **SMΔRT Solar Charger** enters Sleep Mode to conserve power. It periodically checks the panel voltage and resumes operation when sufficient solar energy becomes available.

## FEATURES AND BENEFITS

- Supports compatible 12V and 24V SMΔRT and SMΔRT+ operators
- Automatic 12V or 24V output-voltage selection
- Compatible with D-Series and V-Series operators
- Charging current configurable through the MyCentsys Pro app*
- Supports 2A, 3.5A and 5A charging configurations
- Built-in temperature monitoring
- Automatic current reduction at high internal temperatures
- Power-saving Sleep Mode during low solar input

# MAIN FEATURES

### Automatic voltage selection

The **SMΔRT Solar Charger** monitors the connected batteries and automatically determines whether the system requires a 12V or 24V charging output. No manual voltage selection is required.

### Configurable charging current*

On supported operators, the charging current can be configured through the MyCentsys Pro app according to the connected battery capacity. Available settings include 2A, 3.5A and 5A.

### Built-in temperature monitoring

Integrated temperature monitoring protects the **SMΔRT Solar Charger** against excessive internal heat by automatically reducing the charging current when the temperature becomes too high.

### Power-saving sleep mode

When the solar-panel voltage is too low, the **SMΔRT Solar Charger** enters Sleep Mode to conserve battery power. It periodically checks the panel voltage and wakes when sufficient solar energy is available.

### Flexible solar-panel support

The **SMΔRT Solar Charger** supports suitable solar-panel configurations for compatible 12V and 24V gate operators, with a maximum panel open-circuit voltage of 45V DC.

### Broad operator compatibility

Designed for compatible 12V and 24V D-Series SMΔRT/SMΔRT+ operators, as well as V-Series SMΔRT/SMΔRT+ operators.

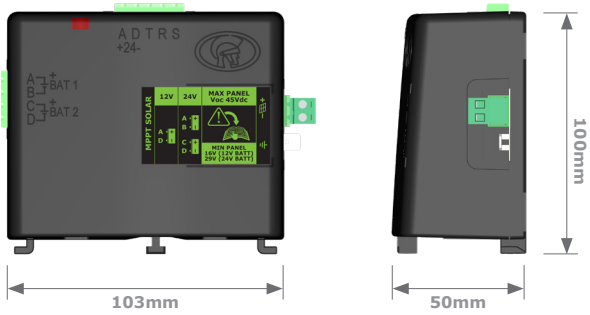
*D3 SMΔRT/SMΔRT+ and D4 SMΔRT+ are not configurable.

# TECHNICAL SPECIFICATIONS

| Technical Data | 12V D-SERIES SMART/SMART+ OPERATORS | 24V D-SERIES SMART/SMART+ OPERATORS | V-SERIES SMART/SMART+ OPERATORS |
|---|---|---|---|
| Maximum Panel Open Circuit Voltage | 45 VDC (Voc) | | |
| Panel Input Voltage Range | 18V-43V DC | 30V-43V DC | 18V-43V DC |
| Minimum Panel Power | 20 Watt | 40 Watt | 20 Watt |
| Charger Output voltage | 13.7V DC | 27.4 VDC | 13.7V DC |
| Charger Output Current | Configurable via MyCentsys Pro App;<br>• Battery >/= 7Ah = 2A Charge[1]<br>(Default if no comms present)<br>• Battery >/= 12Ah = 3.5A Charge<br>• Battery >/= 17Ah = 5A Charge | | |

1. D3 SMART/SMART+ and D4 SMART+ are not configurable.

# OVERALL DIMENSIONS




1413.D.02.0006_07102026

**WhatsApp Technical Support Line**
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