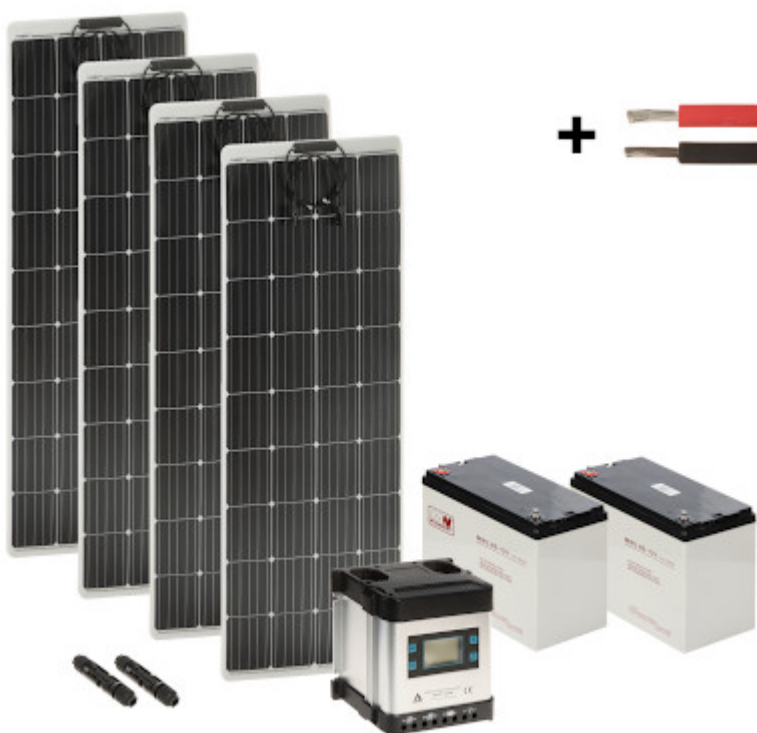


Code: SP-KIT-4X160/2X80/MPPT-LCD

## SOLAR KIT **SP-KIT-4X160/2X80/MPPT-LCD** 1730 Wh

The SP-KIT-4X160/2X80/MPPT-LCD kit was selected for owners of camper-vans, caravans or holiday homes without access to the power grid. The kit consists of 4 solar panels with a power of 160W each, a charging controller, 2 batteries with a capacity of 80Ah each and connection cables with connectors.



|                                                   |                                                                                                                                                                                                                                     |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| In the kit:                                       | <ul style="list-style-type: none"> <li>• 4 solar panels 160 W,</li> <li>• 2 batteries 80 Ah,</li> <li>• Solar Charge Controller - 20 A, MPPT,</li> <li>• Connecting cables : 2 x 10 m,</li> <li>• MC4 connectors - 2 pcs</li> </ul> |
| Theoretical daily energy production (for Poland): | 1730 Wh                                                                                                                                                                                                                             |
| Guarantee:                                        | 2 years                                                                                                                                                                                                                             |

### Solar Panel:

|                                     |                 |
|-------------------------------------|-----------------|
| Maximum power:                      | 160 W           |
| Maximum Power Current ( $I_{mp}$ ): | 8.79 A          |
| Maximum Power Voltage ( $V_{mp}$ ): | 18.2 V          |
| Short-circuit Current ( $I_{sc}$ ): | 9.31 A          |
| Open-circuit Voltage ( $V_{oc}$ ):  | 21.5 V          |
| Length of the cables:               | 2 x 0.65 m      |
| Cell Type:                          | Monocrystalline |
| Panel Structure:                    | Flexible        |
| Weight:                             | 5.16 kg         |



# DATA SHEET

|             |                    |
|-------------|--------------------|
| Dimensions: | 1510 x 670 x 15 mm |
|-------------|--------------------|

## Solar Charge Controller:

|                           |                                                                                                                                                                                                   |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Regulation Type:          | MPPT                                                                                                                                                                                              |
| Rated voltage:            | 12 / 24 V                                                                                                                                                                                         |
| Rated current:            | 20 A                                                                                                                                                                                              |
| Input voltage:            | 20 ... 60 V for 12 V battery<br>30 ... 90 V for 24 V battery                                                                                                                                      |
| Battery charging current: | max. 20 A                                                                                                                                                                                         |
| Load Current:             | max. 20 A                                                                                                                                                                                         |
| Main features:            | <ul style="list-style-type: none"><li>• The device is designed to charge AGM and gel batteries only,</li><li>• LCD display,</li><li>• LED diodes indicating the device operation status</li></ul> |
| Weight:                   | 1.41 kg                                                                                                                                                                                           |
| Dimensions:               | 177 x 175 x 93 mm                                                                                                                                                                                 |
| Manufacturer / Brand:     | AZO Digital                                                                                                                                                                                       |

## Battery:

|                           |                                                    |
|---------------------------|----------------------------------------------------|
| Battery capacity:         | 80 Ah                                              |
| Rated voltage:            | 12 V                                               |
| Battery charging current: | max. 24 A                                          |
| Battery type:             | Maintenance-free AGM (Absorbent Glass Mat) battery |
| Battery lifetime:         | 10 ... 12 years                                    |
| Weight:                   | 23.4 kg                                            |
| Dimensions:               | 350 x 167 x 174 mm                                 |

## Connecting cable:

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inner conductor: | 4.0 mm <sup>2</sup> - Stranded wire Cu - Tin-plated                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Rated voltage:   | 600 V / 1000 V AC<br>1800 V DC                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Outer coating:   | Ø 5.0 mm - Non-halogen plastic                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Main features:   | <ul style="list-style-type: none"><li>• UV radiation resistance</li><li>• Ozone resistance</li><li>• Hydrolysis resistance</li><li>• Resistant to oils and aggressive chemicals</li><li>• Flame resistance (according to VDE 0482-332-2, DIN EN 60332-1)</li><li>• The insulating layer is made of halogen-free material, which does not produce aggressive fumes during combustion</li><li>• Increased mechanical strength of the outer coating</li><li>• Expected lifetime : 25 years</li></ul> |

## MC4 connector:

|                 |                              |
|-----------------|------------------------------|
| Connector type: | MC4 - set (M + F) / Crimping |
| Rated voltage:  | 1000 V                       |
| Rated current:  | 30 A                         |



## DATA SHEET

|                        |                     |
|------------------------|---------------------|
| Material:              | Plastic + Metal     |
| Color:                 | Black               |
| Application:           | Solar installations |
| "Index of Protection": | IP67                |
| Flammability class:    | UL94-VO             |
| Weight:                | 0.022 kg            |
| Dimensions:            | Ø 19 x 87 mm        |