

Code: SP-KIT-2X50/26/PWM

## SOLAR KIT **SP-KIT-2X50/26/PWM** 225 Wh

The SP-KIT-2X50/26/PWM solar kit consists of 2 solar panels, a controller, a battery and connection cables with connectors. The kit allows you to power small devices such as LED lighting, weather station, garden irrigation controller, etc.



In the kit:	<ul style="list-style-type: none"> <li>• 2 solar panels 50 W,</li> <li>• Battery 26 Ah,</li> <li>• Solar Charge Controller - 20 A, PWM,</li> <li>• Connecting cables : 2 x 10 m,</li> <li>• MC4 connectors - 2 pcs</li> </ul>
Theoretical daily energy production (for Poland):	225 Wh
Guarantee:	2 years

### Solar Panel:

Maximum power:	50 W
Maximum Power Current ( $I_{mp}$ ):	2.99 A
Maximum Power Voltage ( $V_{mp}$ ):	16.7 V
Short-circuit Current ( $I_{sc}$ ):	3.51 A
Open-circuit Voltage ( $V_{oc}$ ):	19.7 V
Length of the cables:	2 x 0.65 m
Cell Type:	Monocrystalline
Panel Structure:	Flexible
Color:	White
Weight:	1.73 kg



# DATA SHEET

Dimensions:	670 x 515 x 15 mm
Manufacturer / Brand:	SolarFam

## Solar Charge Controller:

Regulation Type:	PWM
Rated voltage:	12 / 24 V
Rated current:	30 A
Input voltage:	≤ 23 V for 12 V battery ≤ 46 V for 24 V battery
Battery charging current:	max. 30 A
Load Current:	max. 10 A
Main features:	<ul style="list-style-type: none"><li>• 2 x USB power output : 5 V / 2.5 A,</li><li>• The device is designed to charge only AGM, gel and lead-acid batteries,</li><li>• LCD display,</li><li>• LED diodes indicating the device operation status,</li><li>• Operation modes :<ul style="list-style-type: none"><li>- 24H - the load is powered all the time</li><li>- 1H ... 23H - the load is powered for the selected number of hours after sunset</li><li>- 0H - the load is powered from dusk till dawn</li></ul></li></ul>
Weight:	0.13 kg
Dimensions:	134 x 70 x 30 mm

## Battery:

Battery capacity:	26 Ah
Rated voltage:	12 V
Battery charging current:	max. 7.8 A
Connector:	M5 screw
Battery type:	Maintenance-free AGM (Absorbent Glass Mat) battery
Battery lifetime:	8 ... 10 years
Weight:	7.12 kg
Dimensions:	175 x 125 x 166 mm
Manufacturer / Brand:	V-PRO

## Connecting cable:

Inner conductor:	4.0 mm <sup>2</sup> - Stranded wire Cu - Tin-plated
Rated voltage:	600 V / 1000 V AC 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>
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MC4 connector:

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

