

	SOLAR KIT SP- KIT-2X50/26/PWM 225 Wh	SOLAR KIT SP- KIT-50/20/MPPT 135 Wh	SOLAR KIT SP- KIT-2X100/65/MPPT-LCD 540 Wh	SOLAR KIT SP- KIT-4X110/100/MPPT+BT 1190 Wh	SOLAR KIT SP- KIT-4X160/2X80/MPPT-LCD 1730 Wh
					
	207.62 EUR 207.62 EUR	197.29 EUR 197.29 EUR	430.00 EUR 430.00 EUR	849.85 EUR 849.85 EUR	1334.20 EUR 1334.20 EUR
In the kit	• 2 solar panels 50 W, • Battery 26 Ah, • Solar Charge Controller - 20 A, PWM, • Connecting cables : 2 x 10 m, • MC4 connectors - 2 pcs	• Solar Panel 50 W, • Battery 20 Ah, • Solar Charge Controller - 20 A, MPPT, • Connecting cables : 2 x 5 m, • MC4 connector ,	• 2 solar panels 100 W, • Battery 65 Ah, • Solar Charge Controller - 20 A, MPPT, • Connecting cables : 2 x 10 m, • MC4 connectors - 2 pcs	• 4 solar panels 110 W, • Battery 100 Ah, • Solar Charge Controller - 30 A, MPPT, • Connecting cables : 2 x 10 m, • MC4 connectors - 2 pcs	• 4 solar panels 160 W, • 2 batteries 80 Ah, • Solar Charge Controller - 20 A, MPPT, • Connecting cables : 2 x 10 m, • MC4 connectors - 2 pcs
Theoretical daily energy production (for Poland)	225 Wh	135 Wh	540 Wh	1190 Wh	1730 Wh
Guarantee	2 years	2 years	2 years	2 years	2 years
Maximum power	50 W	50 W	100 W	110 W	160 W
Maximum Power Current (I _{mp})	2.99 A	2.86 A	4.46 A	5.54 A	8.79 A
Maximum Power Voltage (V _{mp})	16.7 V	17.5 V	22.4 V	19.86 V	18.2 V
Short-circuit Current (I _{sc})	3.51 A	3.01 A	4.97 A	5.71 A	9.31 A
Open-circuit Voltage (V _{oc})	19.7 V	21.5 V	26.4 V	23.7 V	21.5 V
Length of the cables	2 x 0.65 m	2 x 0.55 m	2 x 0.45 m	2 x 0.6 m	2 x 0.65 m
Cell Type	Monocrystalline	Polycrystalline	Polycrystalline	Monocrystalline	Monocrystalline
Panel Structure	Flexible	Rigid in an aluminum frame	Rigid in an aluminum frame	Flexible	Flexible
Regulation Type	PWM	MPPT	MPPT	MPPT	MPPT
Input voltage	≤ 23 V for 12 V battery ≤ 46 V for 24 V battery	10 ... 40 V for 12 V battery 20 ... 65 V for 24 V battery	20 ... 60 V for 12 V battery 30 ... 90 V for 24 V battery	≤ 20 ... 60 V for 12 V battery ≤ 30 ... 90 V for 24 V battery	20 ... 60 V for 12 V battery 30 ... 90 V for 24 V battery
Load Current	max. 10 A	max. 20 A	max. 20 A	max. 30 A	max. 20 A
Battery capacity	26 Ah	20 Ah	65 Ah	100 Ah	80 Ah
Battery charging current	max. 30 A max. 7.8 A	max. 20 A max. 6.2 A	max. 20 A max. 19.5 A	max. 30 A max. 30 A	max. 20 A max. 24 A
Connector	M5 screw	M5 screw	M6 screw	M8 screw	...
Battery type	Maintenance-free AGM (Absorbent Glass Mat) battery	Maintenance-free AGM (Absorbent Glass Mat) battery	Maintenance-free AGM (Absorbent Glass Mat) battery	Maintenance-free AGM (Absorbent Glass Mat) battery	Maintenance-free AGM (Absorbent Glass Mat) battery
Battery lifetime	8 ... 10 years	6 ... 9 years	8 ... 10 years	8 ... 10 years	10 ... 12 years
Manufacturer / Brand	SolarFam V-PRO	JustSolar AZO Digital	SolarFam AZO Digital V-PRO	SolarFam SRNE V-PRO	AZO Digital
Inner conductor	4.0 mm ² - Stranded wire Cu - Tin-plated	4.0 mm ² - Stranded wire Cu - Tin-plated	4.0 mm ² - Stranded wire Cu - Tin-plated	4.0 mm ² - Stranded wire Cu - Tin-plated	4.0 mm ² - Stranded wire Cu - Tin-plated
Outer coating	Ø 5.0 mm - Non-halogen plastic	Ø 5.0 mm - Non-halogen plastic	Ø 5.0 mm - Non-halogen plastic	Ø 5.0 mm - Non-halogen plastic	Ø 5.0 mm - Non-halogen plastic

Main features	• 2 x USB power output : 5 V / 2.5 A, • The device is designed to charge only AGM, gel and lead-acid batteries, • LCD display, • LED diodes indicating the device operation status, • Operation modes : - 24H - the load is powered all the time - 1H ... 23H - the load is powered for the selected number of hours after sunset - 0H - the load is powered from dusk till dawn • UV radiation resistance • Ozone resistance • Hydrolysis resistance • Resistant to oils and aggressive chemicals • Flame resistance (according to VDE 0482-332-2, DIN EN 60332-1) • The insulating layer is made of halogen-free material, which does not produce aggressive fumes during combustion • Increased mechanical strength of the outer coating • Expected lifetime : 25 years	• The device is designed to charge AGM, gel and LiFePO₄ batteries, • LED diodes indicating the device operation status • UV radiation resistance • Ozone resistance • Hydrolysis resistance • Resistant to oils and aggressive chemicals • Flame resistance (according to VDE 0482-332-2, DIN EN 60332-1) • The insulating layer is made of halogen-free material, which does not produce aggressive fumes during combustion • Increased mechanical strength of the outer coating • Expected lifetime : 25 years	• The device is designed to charge AGM and gel batteries only, • LCD display, • LED diodes indicating the device operation status • UV radiation resistance • Ozone resistance • Hydrolysis resistance • Resistant to oils and aggressive chemicals • Flame resistance (according to VDE 0482-332-2, DIN EN 60332-1) • The insulating layer is made of halogen-free material, which does not produce aggressive fumes during combustion • Increased mechanical strength of the outer coating • Expected lifetime : 25 years	• The device is designed to charge AGM, gel, LiFePO₄ and lead-acid batteries, • LCD display, • LED diodes indicating the device operation status, • Bluetooth module • UV radiation resistance • Ozone resistance • Hydrolysis resistance • Resistant to oils and aggressive chemicals • Flame resistance (according to VDE 0482-332-2, DIN EN 60332-1) • The insulating layer is made of halogen-free material, which does not produce aggressive fumes during combustion • Increased mechanical strength of the outer coating • Expected lifetime : 25 years	• The device is designed to charge AGM and gel batteries only, • LCD display, • LED diodes indicating the device operation status • UV radiation resistance • Ozone resistance • Hydrolysis resistance • Resistant to oils and aggressive chemicals • Flame resistance (according to VDE 0482-332-2, DIN EN 60332-1) • The insulating layer is made of halogen-free material, which does not produce aggressive fumes during combustion • Increased mechanical strength of the outer coating • Expected lifetime : 25 years
Connector type	MC4 - set (M + F) / Crimping	MC4 - set (M + F) / Crimping	MC4 - set (M + F) / Crimping	MC4 - set (M + F) / Crimping	MC4 - set (M + F) / Crimping
Rated voltage	12 / 24 V 12 V 600 V / 1000 V AC 1800 V DC 1000 V	12 / 24 V 12 V 600 V / 1000 V AC 1800 V DC 1000 V	12 / 24 V 12 V 600 V / 1000 V AC 1800 V DC 1000 V	12 / 24 V 12 V 600 V / 1000 V AC 1800 V DC 1000 V	12 / 24 V 12 V 600 V / 1000 V AC 1800 V DC 1000 V
Rated current	30 A 30 A	20 A 30 A	20 A 30 A	30 A 30 A	20 A 30 A
Material	Plastic + Metal	Plastic + Metal	Plastic + Metal	Plastic + Metal	Plastic + Metal
Color	White Black	Black	Black	Black Black	Black
Application	Solar installations	Solar installations	Solar installations	Solar installations	Solar installations
"Index of Protection"	IP67	IP67	IP67	IP67	IP67
Flammability class	UL94-VO	UL94-VO	UL94-VO	UL94-VO	UL94-VO
Weight	1.73 kg 0.13 kg 7.12 kg 0.022 kg	4 kg 0.79 kg 5.83 kg 0.022 kg	5.96 kg 1.41 kg 19.1 kg 0.022 kg	1.77 kg 0.83 kg 27.6 kg 0.022 kg	5.16 kg 1.41 kg 23.4 kg 0.022 kg
Dimensions	670 x 515 x 15 mm 134 x 70 x 30 mm 175 x 125 x 166 mm Ø 19 x 87 mm	670 x 540 x 30 mm 171 x 127 x 73 mm 180 x 167 x 76 mm Ø 19 x 87 mm	1190 x 450 x 30 mm 177 x 175 x 93 mm 345 x 165 x 177 mm Ø 19 x 87 mm	1150 x 510 x 15 mm 150 x 105 x 68 mm 330 x 171 x 214 mm Ø 19 x 87 mm	1510 x 670 x 15 mm 177 x 175 x 93 mm 350 x 167 x 174 mm Ø 19 x 87 mm

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