



NEW!!!
CORRUGATED PIPES & PV
JUNCTION BOXES



7-YEAR WARRANTY

To meet customers' expectations, we would like to offer a new product for use in solar and PV systems.

SELF-EXTINGUISHING PV UV-RESISTANT CORRUGATED FLEXIBLE PVC PROTECTIVE PIPES

Self-extinguishing corrugated flexible PV pipes made of UV-resistant PVC /UNCOILER/ are designed to protect and conduct insulated wires or cables in solar and PV systems. They are used in systems characterized by a high risk of fire (wooden and other flammable constructions) conducted outside buildings. **Self-extinguishing PV pipes made of UV-resistant PVC are most commonly used for protecting wires or cables in outdoor solar and PV systems.**

www.elektroplast.com

compressive strength	750N
working temperature	between -30°C and +70°C
flammability	fire retardant
UV resistance	yes
halogen-free	no
uncoiler	yes
colour	black

Catalogue No. RKSG/PV	Catalogue No. RKSG/PV w/uncoiler	Inner/outer product dimensions in mm	Lenght of roll in linear meters
05.200	05.220	16/11	50 m
05.201	05.221	18/13,5	50 m
05.202	05.222	20/14,5	50 m
05.204	05.224	23/18	50 m
05.205	05.225	25/19	50 m
05.206	05.226	28/23	50 m
05.207	05.227	32/25	50 m
05.216	05.236	40/33	25 m

PV JUNCTION BOXES

SOLAR junction boxes are dedicated to PV systems. The products come in different versions which work with direct (DC) and alternating (AC) currents. Junction box enclosures are hermetic (IP65), have resistance of up to 1000V and are free substances (halogens). The device is connected from the inside with LAPP KABEL cables. Solar from harmful junction boxes provide protection for solar systems, while supporting eco-friendly solutions in the electricity and energy markets. **All junction boxes have a two-year warranty.**



014.60 SOLAR DC JUNCTION BOX 1000V T2 1-string Doktorvolt 9467
014.65 SOLAR DC JUNCTION BOX 1000V T2 1-string 9467 with fuse holder (FP442)

Catalogue No.	Product size in mm	Packaging
014.60	142x210x100	1 pc.
014.65	142x210x100	1 pc.

number of modules	4 / *8
number of rows	1
mounting	surface-mounted
protection rating	IP 65
rated voltage	1000V
door/housing material	polycarbonate/technopolymer
PG gland	PG-11
surge arrester	1xVCX-C-DC P series cl. T2(C) 3P
protection class	T2
temperature range	between -40°C and 105°C



014.61 SOLAR DC JUNCTION BOX 1000V T2 2-string Doktorvolt 9474
014.66 SOLAR DC JUNCTION BOX 1000V T2 1-string 9474 with fuse holder (FP440)

Catalogue No.	Product size in mm	Packaging
014.61	215x210x100	1 pc.
014.66	215x210x100	1 pc.

number of modules	8 / *12
number of rows	1
mounting	surface-mounted
protection rating	IP 65
rated voltage	1000V
door/housing material	polycarbonate/technopolymer
PG gland	PG-11
surge arrester	2xVCX-C-DC P series cl. T2(C) 3P
protection class	T2
temperature range	between -40°C and 105°C

* number of modules in the junction box with switch disconnector



AC PV JUNCTION BOX 1f B16 300mA T1 T2 Doktorvolt 9481

Catalogue No.	Product size in mm	Packaging
014.62	215x210x100	1 pc.

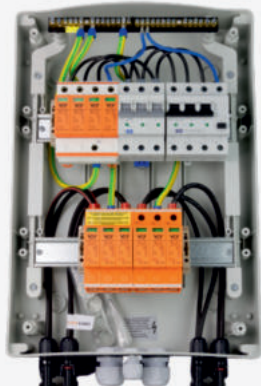
number of modules	8
number of rows	1
mounting	surface-mounted
protection rating	IP 65
rated voltage	1000V
door/housing material	polycarbonate/technopolymer
PG gland	2xPG-21/1xPG-11
surge arrester	2xVCX-BV class T1 T2 1P



AC PV JUNCTION BOX 3f B16 300mA T2 Doktorvolt 2384

Catalogue No.	Product size in mm	Packaging
014.63	290x260x133	1 pc.

number of modules	12
number of rows	1
mounting	surface-mounted
protection rating	IP 65
rated voltage	1000V
door/housing material	polycarbonate/technopolymer
PG gland	2xPG-21/1xPG-11
surge arrester	1xVCX-C CT-C class T1 4P



014.64 AC/DC PV JUNCTION BOX B16 40 / 0.3 3f 2-string Doktorvolt 2483 **014.67 AC/DC PV JUNCTION BOX B16 40 / 0.3 3f 2-string with fuse holder (FP443)**

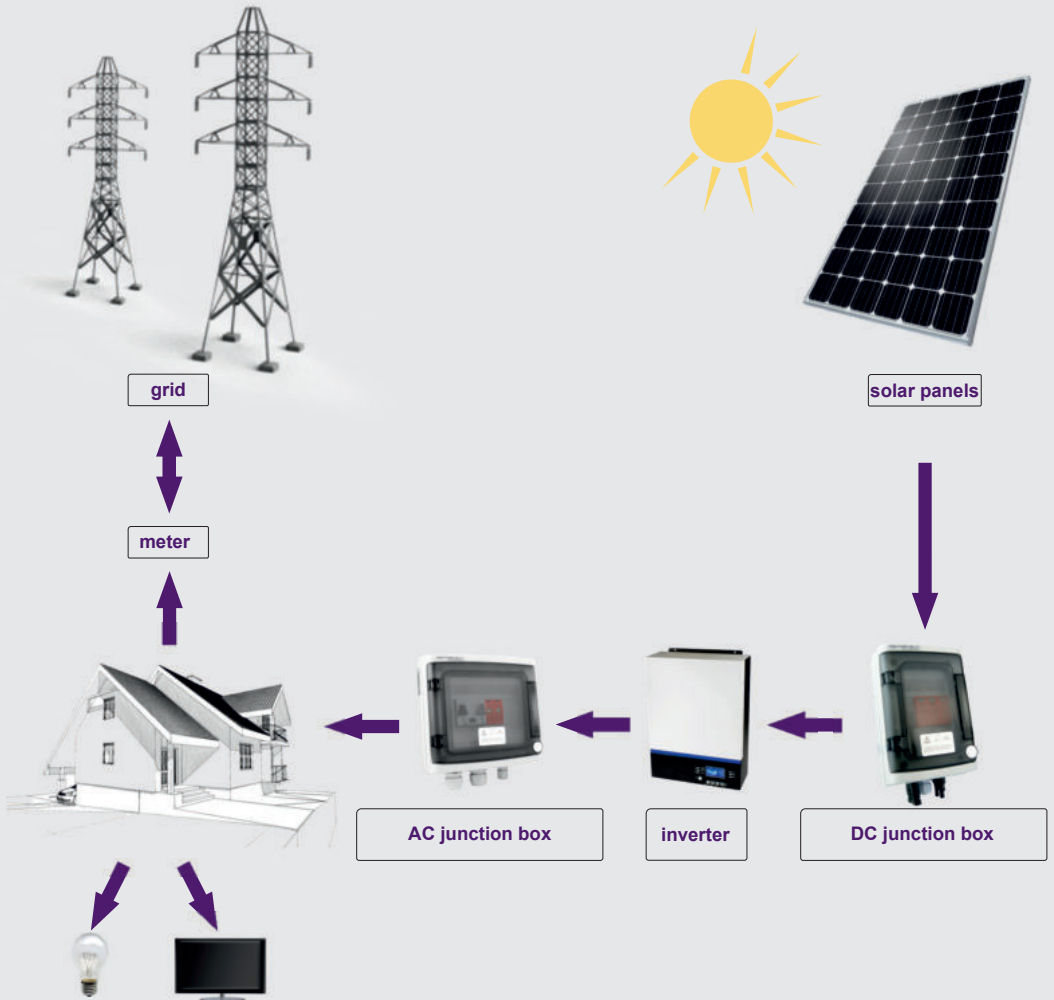
Catalogue No.	Product size in mm	Packaging
014.64	420x290x130	1 pc.
014.67	420x290x130	1 pc.

number of modules	24
number of rows	1
mounting	surface-mounted
protection rating	IP 65
rated voltage	1000V
door/housing material	polycarbonate/technopolymer
PG gland	2xPG-21/1xPG-11
AC surge arrester	1xclass B+C 4P CT-B+C VCX
DC surge arrester	2xVCX-C-DC 20T2-3-DC1000

PC SYSTEMS

The PV systems and their operation are relatively simple. Electricity generation using solar panels is initiated by a process called the photovoltaic effect. It involves generation of electromotive force in the semiconductor. What does it mean? Simply put, the photovoltaic effect converts solar energy into direct current using solar cells making up the solar panels.

In order to use the electricity generated by PV systems, for instance, for your home or business, one needs a solar inverter. This is a device that transforms direct current generated from solar energy into alternating current with electrical parameters compatible to the parameters of the public power grid. This means the current found in our electrical sockets.





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