

# Product Catalog 2023





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### **SHOPPING MADE EASY**

# ONE-STOP SHOP FOR EVERY INSTALLATION







### **SERVICE**

Every customer has an individual contact for all their requests. With our broad service spectrum, our experts are available to advise you before, during and after your purchase. From residential to commercial projects – the Krannich Team can solve almost any problem.

### **AVAILABILITY**

Our portfolio comprises over 5,500 articles kept in stock by us on all five continents. The experts in our distribution ensure an unbroken supply chain from the manufacturer to the construction site, thereby guaranteeing maximum availability and reliable delivery.

### **AFTER-SALES**

Of course, things can go wrong from time to time. It is then important to find a good solution quickly. We then act as an interface to the manufacturer, the shipping company and Krannich's internal departments. The main task is that the construction project stays on schedule.



modules, mounting systems, inverters, and storage solutions for residential households and commercial businesses. As well as the accessories and latest selection of exclusive products for e-mobility to complete any project.



# **SOLAR MODULES**































**INVERTERS** 



# **STORAGE SOLUTIONS**





**E-MOBILITY** 



**MOUNTING SYSTEMS** 



**ACCESSORIES** 

















APsystems was founded in Silicon Valley in 2009 and is now a global leader in advanced solar microinverter technology. Their microinverters are grid-tied and equipped with intelligent networking and monitoring systems to ensure maximum efficiency, making PV arrays more powerful, smart, bankable, cost effective and safe.



### RESIDENTIAL ECU-R

Product	Model No.
Gateway	209001



### RESIDENTIAL DS3

Product	Model No.
DS3-S-NA - 640VA	119001
DS3-L-NA – 768VA	118001



### COMMERCIAL ECU-C

Product	Model No.
Gateway	205039



### COMMERCIAL QT2

Product	Model No.
QT2 - 208	124009
QT2 - 480	124012





### RESIDENTIAL RSD-S-PLC

Product	Model No.
Rapid Shutdown	415002



Product	Model No.
Trunk Cable 2M	2322301303
Trunk Cable 4M	2322301303
Bus End Cap	2060100007
Bus Y-Conn cap	2061702007
Unlock Tool	2352000001
MC4 Caps Kit	2060401(2)006
DC Extension Cable, 2M (MC4)	2310360214





Que-	RSD-D
-	ט טכוו

Product	Model No.
Rapid Shutdown-D (Duo)	426101

RESIDENTIAL

















The founder of EcoFasten began his career as a roof installer. In 2007 he decided to apply the expertise and technical skills he learned through his hands-on experience to develop an innovative line of solar roof mounting systems and solutions.

















BACK TO CONTENT

Enphase Energy is a NASDAQ-listed energy technology company headquartered in Fremont, California. Enphase designs and manufactures software-driven home energy solutions that span solar generation, home energy storage and web-based monitoring and control. Enphase Energy Solution brings you solar, storage, and powerful monitoring software, all from one company. These microinverters are designed to operate independently to generate the most energy possible, without a single point of failure.



# RESIDENTIAL / COMMERCIAL IQ 8+

Product	Model No.
IQ 8+ Microinverter	IQ8PLUS-72-2-US



### RESIDENTIAL EV Charger

Product	Model No.
HCS-40 (Hardware)	HCS-40
HCS-40P (Plug-In)	HCS-40P



# RESIDENTIAL / COMMERCIAL IQ 8A & IQ 8M

Product	Model No.
IQ 8A Microinverter	IQ8A-72-M-US
IQ 8M Microinverter	IQ8M-72-M-US



# DATA COMMUNICATION IQ Envoy

Product	Model No.
IQ Envoy	EN-ENV-IQ-AMI-240 M
CT-200 Split	EN-CT-200-SPLIT



RESIDENTIAL / COMMERCIAL IQ 7+

Product	Model No.
IQ 7+ Microinverter	IQ7PLUS-72-2-INT



# SYSTEM ACCESSORIES AC Combiner

Product	Model No.
AC Combiner with IQ Envoy	X2-IQ-AM1-240-4
Combiner Hold Down Kit	X-IQ-NA-HD-125A



# SYSTEM ACCESSORIES Caps & Clips

Product	Model No.
Termination Cap	EN-Q-TERM-01
Female Sealing Cap	EN-Q-SEAL-01
Disconnect Tool	EN-Q-DISC-01



# SYSTEM ACCESSORIES Cell Modem

Product	Model No.
Cell Modem	CELLMODEM-M106-SP-05



# system accessories Field-wireable connectors

Product	Model No.
Landscape	Q-CONN-10F
Portrait	Q-CONN-10M



# SYSTEM ACCESSORIES Trunk Cable

Product	Model No.
Landscape 1.7m	Q-12-17-240
Portrait 2.0m (72 cell)	Q-12-20-200
Portrait 1.0m	Q-12-10-240



















RESIDENTIAL IQ Battery 3T Kit includes:

Product	Model No.
IQ Battery 3T Base Kit	B03-T01-US00-1-3
IQ Battery 3T Cover Kit	B03T-C-0430-0



RESIDENTIAL IQ System Controller 2

Product	Model No.
IQ System Controller 2	EP200G-SC2-RSD-KIT



RESIDENTIAL IQ Battery 5P Kit

Product	Model No.
IQ Battery 5P Kit	IQBATTERY-5P-1P-NA



RESIDENTIAL IQ System Controller 3

Product	Model No.
IQ System Controller 3	SC200D111C240US01
IQ System Controller 3G	SC200G111C240US01



RESIDENTIAL IQ Battery 10T Kit includes:

Product	Model No.
IQ Battery 10T Cover Kit	B10T-C-1290-0
(3) IQ Battery 3T Base Kit	B03-T01-US00-1-3



RESIDENTIAL IQ Load Controller

Product	Model No.
IQ Load Controller	EP-NA-LK02-040



















### SYSTEM ACCESSORIES IQ Combiner w / IQ Gateway (5)

Product	Model No.
IQ Combiner w / IQ Gateway (5)	X-IQ-AM1-240-5



### ACCESSORIES Circuit Breaker

Product	Model No.
2 pole, 20A, 10kAIC	BRK-20A-2P-240V-B



### ACCESSORIES Control Cable

Product	Model No.
Control Cable for Wired Components	CTRL-SC3-NA-01

















# EZ#SOLAR

EZ SOLAR is a trendsetting solar products company. They are a business made up of innovators and forward-thinkers, with the drive and wherewithal to constantly update and improve solar with innovating products that are high-quality, installer friendly and cost effective. They combine their construction and manufacturing backgrounds to bring common sense products to the solar market.



















Fortress Power's mission is to provide compact, user-friendly, and affordable energy storage solutions using the latest technology for all homes and businesses. Fortress Power provides different size models for energy storage projects which can be easily integrated in new and existing PV installation systems.



# RESIDENTIAL Envy 12K

Product	Model No.
Envy 12K	12K Hybrid Inverter



# RESIDENTIAL DuraRack

Product	Model No.
DuraRack	DuraRack



# RESIDENTIAL eFlex

Product	Model No.
5.4kWh	eFlex 5.4



### residential eVault MAX

Product	Model No.
18.5kWh	eVault MAX 18.5



# RESIDENTIAL FlexRack

Product	Model No.
FlexRack	FlexRack

















Fronius USA offers solar solutions built to last! Specializing in the manufacture of solar string inverters for residential  $\boldsymbol{\&}$ commercial markets, Fronius has a vision of the future where 100% of our energy needs are covered by renewable energy – a world with 24 hours of sun!



### RESIDENTIAL Primo Lite

Product	Model No.
Lite 3.8-1	4,210,064,801
Lite 5.0-1	4,210,063,801
Lite 6.0-1	4,210,062,801
Lite 7.6-1	4,210,061,801
Lite 8.2-1	4,210,060,801
Lite 10.0-1	4,210,075,801
Lite 11.4-1	4,210,076,801
Lite 12.5-1	4,210,077,801
Lite 15.0-1	4,210,078,801



### COMMERCIAL Symo Advanced Lite

Product	Model No.
10.0-3 208 / 240	4,210,090,801
12.0-3 208 / 240	4,210,091,801
15.0-3 480	4,210,092,801
20.0-3 480	4,210,093,801
22.7-3 480	4,210,094,801
24.0-3 480	4,210,095,801



### DATA COMMUNICATION Datamanager

Product	Model No.
Datamanager 2.0	4,240,038,Z



### COMMERCIAL Symo

Product	Model No.
15.0-3 208	4,210,052,841



### SYSTEM ACCESSORIES **Bus Connector Kit**

Product	Model No.
Part A	42,0201,4479
Part B	42,0201,4480



### SYSTEM ACCESSORIES Rapid Shutdown

Product	Model No.
RSD Duo	4,240,153
RSD Quattro	4,240,154















Founded in 1959, Generac was the first to engineer affordable home standby generators, along with the first engine developed specifically for the rigors of generator use, and is now the #1 manufacturer of home backup generators.



# SYSTEM ACCESSORIES Snaprs

Product	Model No.
Inline Disconnect Switch	APKE00011



# RESIDENTIAL PWRCell

Product	Model No.
7.6kW 1Ø	APKE00014
11.4kW 3Ø	APKE00013



# SYSTEM ACCESSORIES PV Link

Product	Model No.
2500W MPPT Substring Optimizer	APKE00010



# STORAGE SOLUTION Outdoor Battery Cabinet

Product	Model No.
3R Rated Battery Cabinet	APKE00028



# SYSTEM ACCESSORIES Kits

Product	Model No.
PWRcell Spacer Kit	APKE00008
PWRcell Upgrade Kit	APKE00009



# STORAGE SOLUTION Automatic Transfer Switch

Product	Model No.
200 AMP	CXSW200A3



# SYSTEM ACCESSORIES Battery Module

Product	Model No.
3.0kWh	G0080040



# SYSTEM ACCESSORIES CTS

Product	Model No.
600A CT	APKE00006



# SYSTEM ACCESSORIES Battery Module

Product	Model No.
50-Amp SMM	G0070000
100-Amp SMM	G007006



















### RESIDENTIAL CP 250e

Product	Model No.
Microinverter	CP-250E-iBC



### COMMERCIAL CP 720

Product	Model No.
Microinverter	CP-720-iBC



### DATA COMMUNICATION Gateway

Product	Model No.
Gateway CP-100	CP-GWY-1000

















Backed by advanced knowledge and experience in researching, developing and creating state-of-the-art PV inverters and energy storage solutions, GE integrates the finest technological components into carefully crafted solar solutions that shape the present to deliver the future world of intelligent energy.



### RESIDENTIAL Single Phase

Product	Model No.
5.0 kW	PSK5000-04-00P
6.0 kW	PSK6000-04-00P
7.7 kW	PSK7700-04-00P
9.6 kW	PSK9600-04-00P
11.4 kW	PSK0011-04-00P



RESIDENTIAL Split-Phase Hybrid

Product	Model No.
7.6 kW	GEH7.6-1U-US10
9.6 kW	GEH9.6-1U-US10















# GOODWE

GoodWe is a leading, strategically thinking enterprise which focuses on research and manufacturing of PV Inverters and energy storage solutions. With an accumulative installation of 23 GW in more than 100 countries, GoodWe solar inverters have been widely used in residential and commercial rooftops, industrial and utility scale systems, ranging from 0.7kW to 250kW. GoodWe offers reliable operation and excellent performance and is well recognized by customers worldwide.



RESIDENTIAL A-MS

Product	Model No.
7.6 kW	AMS7600-02-00P
9.6 kW	AMS9600-03-00P



Product	Model No.
50 kW	GW50K-SMT-US
60 kW	GW60K-SMT-US















### // IRONRIDGE

IronRidge designs and manufactures structural hardware for residential and commercial solar systems. For nearly 20 years, they have worked closely with solar professionals across the globe to build products that are strong, simple and cost-effective.

### **RESIDENTIAL SOLUTION**



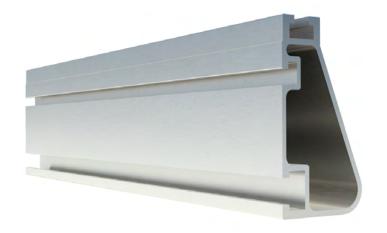




### FLAT ROOF SOLUTION



### **GROUND MOUNT SOLUTION**



















K2 Solar Systems is the engineering leader for solar mounting systems. We design our products with installers and homeowners in mind. Our systems consist of Germanengineered products that provide the best overall quality in strength, water-proofing, longevity and aesthetics.

### RESIDENTIAL SOLUTION

### METAL ROOF SOLUTION

### COMMERCIAL / FLAT ROOF SOLUTION









### **GROUND MOUNT SOLUTION**



















QuickBOLT is a division of Quickscrews International Corporation. QuickBOLT has a wide range of innovative solar mounts for residential roofs. They can produce custom products and are continually working with installers to deliver the exact products needed for any type of roof.

### **RESIDENTIAL SOLUTION**



















Roof Tech Inc. has been engineering solar mounting solutions since 1994 with flawless performance – over one million rooftop installations all over Japan and North America. They offer a 25-year warranty on all of their products from the installation date. Their AlphaSeal™ Technology is fit for any residential roof for  $\ensuremath{\mathsf{PV}}$ mounting on asphalt, membrane, or metal roofing.

### **RESIDENTIAL SOLUTION**





















With more than 35 years and 75 gigawatts of knowledge and experience, SMA offers a complete portfolio of award-winning, reliable products that provide optimal, innovative solutions for residential, commercial and industrial applications.



COMMERCIAL Peak3

Product	Model No.
SHP 125-US-20	03-125-1500-2-20
SHP 150-US-21	3-150-1500-2-21



GRID-TIED STORAGE Sunny Boy Storage

Product	Model No.
5.0-US	SBS5.0-US-10



### SYSTEM ACCESSORIES **Data Communication**

Product	Model No.
Combiner Box 6 Circuit	RSC-1X-US-10



### COMMERCIAL Core1

Product	Model No.
STP50-US-41	03-50-1000-2-41
STP62-US-41	03-62-1000-2-41



### SYSTEM ACCESSORIES Cellular Kit

Product	Model No.
LTE Modem	CELLMODKIT-US-10



### COMMERCIAL SYSTEM ACCESSORIES **Surge Protection**

Product	Model No.
AC Type 1/2	AC_SPD_KIT2_T1T2
DC Type 1/2	DC_SPD_KIT5_T1T2



### SYSTEM ACCESSORIES Shutdown Module

Product	Model No.
JMS-F	119814-00.01



### SYSTEM ACCESSORIES Datamanager

Product	Model No.
Datamanager M	EDMM-US-10















# SnapNrack\*

SnapNrack produces innovative residential solar mounting solutions engineered to optimize material use and labor resources and improve overall installation quality and safety. Their residential solar mounting solutions are designed for composition shingle, tile, metal and flat membrane roof types, as well as ground systems.

### **RESIDENTIAL SOLUTION**





















# solaredge

SolarEdge is a technology and global market leader in the field of power electronics at module level. More than 15 million performance optimizers and more than 633,000 inverters have been delivered to over 30 countries in the last 10 years since the company was founded.



# RESIDENTIAL HD Wave

Product	Model No.
3000w	SE3000H-US000BEU4
3800w	SE3800H-US000BEU4
5000w	SE5000H-US000BEU4
6000w	SE6000H-US000BEU4
7600w	SE7600H-US000BEU4
10000w	SE10000H-US000BEU4
11400w	SE11400H-US000BEU4
3800w & RGM	SE3800H-US000BEI4
5000w & RGM	SE5000H-US000BEI4
6000w & RGM	SE6000H-US000BEI4
7600w & RGM	SE7600H-US000BEI4
10000w & RGM	SE10000H-US000BEI4
11400w & RGM	SE11400H-US000BEI4



# RESIDENTIAL HD Wave & EV Charger

Product	Model No.
5000w	SE5000H-US000BNV4
L2 EV J1772 Connector	SE-EV-KIT-25J40-2



# RESIDENTIAL Stand Alone EV Charger

Product	Model No.
Smart EV Charger	SE-EV-SA-KIT-LJ40P



# RESIDENTIAL Optimizers

Product	Model No.
S440-MC4 Compatible	5440
S500-MC4 Compatible	S500



# RESIDENTIAL ACCESSORIES Cellular Modem

Product	Model No.
5 year plan	SE-CELL-B-R05-S-S2



# SYSTEM ACCESSORIES Data Logger

Product	Model No.
Data Logger	SE1000-DTLG-S1



# STORAGE ACCESSORIES Electricity Meter

Product	Model No.
NEMA3R 1PH 240V	SE-MTR240-0-000-S2
200A CT	SEACT0750-200NA
300A CT	SEACTL-1250-300-C3



# SYSTEM ACCESSORIES RS485

Product	Model No.
Surge Protection Kit	SE-RS485-SPD2-K1















# solaredge



COMMERCIAL Three Phase 208V

Product	Model No.
9000W	SE9K-USR2TBNU4



COMMERCIAL Three Phase 480V

Product	Model No.
40k	SE40K-USR8IBNZ4



COMMERCIAL

Three Phase 208V

Product	Model No.
17.3k	SE17.3K-USR2IBNZ4



COMMERICAL ACCESSORIES Cellular Plug-in

Product	Model No.
5YR AC≤200kW	SE-CELL-B-R05-S-S4
5YR AC≤1000kW	SE-CELL-B-R05-S-S5



COMMERCIAL Optimizer - P960

Product	Model No.
960W - MC4	P960



COMMERCIAL Optimizer - P1101

Product	Model No.
2:1 Power Optimizer 277 / 480V	P1101



COMMERCIAL Optimizer - S1201

Product	Model No.
2:1 Power Optimizer 208 / 480V	S1201

### **GROUND MOUNT ONLY**



COMMERCIAL Optimizer - P1100

Product	Model No.
2:1 Power Optimizer 277 / 480V	P1100















# solaredge



### commercial Synergy Manager 208V

Product	Model No.
43.2kW	SE43.2K-US02IBNZ4



### commercial Synergy Manager 480V

Product	Model No.
80kW	SE80K-US08IBNZ4
100kW	SE100K-US08IBNZ4
120kW	SE120K-US08IBNZ4



### commercial Synergy Manager 480V

Product	Model No.
66.6kW	SE66.6K-US08IBNZ4



### GROUNDMOUNT Synergy Manager 480V

Product	Model No.
12kW-GM	SE120K-USG8IBNZ4



### commercial Synergy Manager 208V

Product	Model No.
50kW	SE50K-US02IBNZ4



COMMERCIAL
Synergy Unit

Product	Model No.
Synergy Unit	SESUK-USROINNN4

















Sol-Ark is a veteran owned engineering company with the mission of helping families be less dependent on our vulnerable power grid in an affordable way. The Sol-Ark system was named "The most well thought out solar generator on the market" in 2016.



### RESIDENTIAL 5K-1P-N

Product	Model No.
5K 120 / 230V	SA-5K-1P-N

### RESIDENTIAL All-in-One Hybrid 8K

Product	Model No.
8K 120 / 240V	Sol-Ark-8K-48-ST

### RESIDENTIAL All-in-One Hybrid 12K

Product	Model No.
12K 120 / 240 / 208 / 48V	Sol-Ark-12K-P

### RESIDENTIAL All-in-One Hybrid 15K

Product	Model No.
15K 120 / 240 / 208V-1P	SA-Limitless-15K

# Sol-Ark 30K 3-Phase Output

Product	Model No.
30K	SA-30K-3P

















The SolaTrim Pest Barrier is an all-weather, long lasting pest and debris abatement system designed to prevent pigeons and rodents from nesting under or damaging residential solar system arrays while allowing air to circulate underneath the solar panels.



















Established in 2005, Ginlong Technologies is one of most experienced and largest manufacturers of solar inverters. Presented under the Solis brand, the company's solar inverter product line uses innovative string technology to deliver first-class reliability, validated under the most stringent international certifications.





### RESIDENTIAL Hybrid Single Phase

Product	Model No.
6.0 kW	RHI-1P6K-HVES-5G
7.0 kW	RHI-1P7K-HVES-5G
7.6 kW	RHI-1P7.6K-HVES-5G-S
8.0 kW	RHI-1P8K-HVES-5G
9.0 kW	RHI-1P9K-HVES-5G
10.0 kW	RHI-1P10K-HVES-5G-SP



### RESIDENTIAL String Level Shutdown

Product	Model No.
1 Panel RSD	Solis-MLRSD-R1-1G
2 Panels RSD	Solis-MLRSD-R2-1G



### RESIDENTIAL Plugin

Product	Model No.
WiFi Stick	Solis-DLS-WIFI
LAN Stick	Solis-DLS-LAN
WiFi Box	Solis-DLB-WIFI















## SUNGROW

Clean power for all

Sungrow Power Supply Co., LTD is the world's leading inverter specialist and the only brand receiving the highest recommendation in the area of financeability by the Bloomberg Institute for the fourth year in a row in 2022. As the largest inverter manufacturer in the world, Sungrow has installed more than 340 GW of solar energy to date (as of December 2022).

Founded in 1997 by Prof. Cao Renxian, the green tech company priorities are continuous innovation and the highest quality. With more than 3,100 R&D employees, Sungrow provides the largest R&D team in the industry. Sungrow's broad product portfolio offers the right device for every application – from photovoltaic inverters and storage solutions for utility, commercial and residential to world-leading systems for floating installations. With more than 25 years of clean energy experience, Sungrow offers its customers maximum safety and expertise in over 150 countries worldwide.



### RESIDENTIAL 36kW 3-Phase String

Product	Model No.
36kW	SG36CX-US

### RESIDENTIAL 60kW 3-Phase String

Product	Model No.
60kW	SG60CX-US

















The Tigo El Inverter is the centerpiece of the Tigo Energy Intelligence (EI) solution. It orchestrates energy production and the consumption (when coupled with the Tigo EI Battery). In addition, it enables module level monitoring, optimization, and rapid shutdown when paired with Tigo TS4 MLPE (Module Level Power Electronics) through the El platform.



### RESIDENTIAL El Hybrid Inverter

Product	Model No.
3.8 kW	601-2103K8-0002
7.6 kW	601-2107K6-0003
11.4 kW	601-2111K4-0003

### RESIDENTIAL El Hybrid Inverter with Cellular Communication

Product	Model No.
3.8 kW	601-2103K8-0502
7.6 kW	601-2107K6-0503
11.4 kW	601-2111K4-0503

















Titan Wire & Cable was created with the philosophy of meeting the needs of the Customer through excellent Customer Service and keeping up on the current demands within the Industry. Titan is committed to providing the most competitive pricing in the industry.





















Yotta Energy is a renewable energy storage company headquartered in Austin, Texas. Yotta has developed PV-Coupled™ architecture, a smart energy storage solution designed to effortlessly scale with rooftop solar PV projects. Yotta's technology features advanced thermal management to maintain an optimal working temperature even under extreme outdoor conditions.



### COMMERCIAL **Dual-Power**

Product	Model No.
DPI-208V	DPI-1726-208
DPI-480V	DPI-1800-480



### COMMERCIAL Power Level Storage

Product	Model No.
SolarLeaf	SL-1000



### DATA COMMUNICATION Gateway

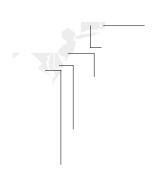
Product	Model No.
Gateway-LTE Comms	Gateway

# CONTACT

BACK TO CONTENT

We currently have four locations across the country, but they can service all of America, Canada, the Bahamas, and the Caribbean. To find out which branch is responsible for you, **simply click on your state on the map below**.





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# LEADER IN GLOBAL SOLAR DISTRIBUTION













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