



PRODUCT CATALOGUE



آپ کی زندگی کا روشن ساتھی

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Just a bit About SunX

SunX is a proud subsidiary of Asaan Solar Solution, a trusted name in Pakistan's solar energy sector. Founded with the vision to bring cutting-edge energy technologies within reach, SunX specializes in advanced solar inverters and lithium battery systems tailored for both residential and commercial use. Backed by years of industry experience and a strong foundation of technical expertise from Asaan Solar Solution, we deliver products that are efficient, durable, and built for Pakistan's energy needs.

Our Mission



Empowering Energy Independence

We aim to enable individuals, businesses, and communities to generate and manage their own clean energy — reducing dependence on traditional power sources.



Driving Innovation in Renewable Technology

By investing in continuous R&D, we develop cutting-edge inverter and battery solutions that ensure higher efficiency, smarter control, and long-term reliability.



Making Clean Energy Accessible

We strive to make solar solutions more affordable and practical for a wider range of users through simplified systems, user-friendly technology, and reliable support.

Our Vision

At SunX, we envision a future where clean, intelligent, and reliable energy is accessible to everyone. Our goal is to become a global leader in renewable energy solutions by constantly pushing the boundaries of technology and innovation. We are driven by a commitment to sustainability—developing products that not only power homes and businesses efficiently but also protect the environment for generations to come.

We aim to build lasting relationships through transparency, trust, and exceptional customer experiences. By investing in continuous improvement, workforce expertise, and cutting-edge research, we strive to stay ahead of industry trends and set new benchmarks in performance, safety, and reliability. Through every product we design and every solution we deliver, our vision is to empower progress, energize lives, and shape a smarter, greener tomorrow.

Introduction

Founded in 2023, with a vision to revolutionize energy access, **SunX** has grown into a leading provider of cutting-edge solar inverters and lithium battery systems across the region. Backed by years of research, technical expertise, and a passion for innovation, **SunX** continues to shape the future of renewable energy.



Our mission is to make clean energy affordable, accessible, and efficient for everyone. Through continuous improvement and close collaboration with our partners and customers, we strive to build energy solutions that are smart, scalable, and sustainable.

At the core of **SunX** lies our commitment to quality, integrity, and customer-centric innovation — values that drive everything we do. Whether you're an installer, distributor, or end-user, **SunX** is your reliable partner in powering progress.

Sun-Prime Series



Sun-Prime 4kW Hybrid Solar Inverter



Colored LCD Display



Dual AC Power output



High Inverter Efficiency



Pure Sine Wave Output



Simpler

Plug-and-play connectivity
for seamless system integration



Safer

Comply with international quality standards
tested by TUV,BV,Delora etc.



Great Reliability

Built with industrial-grade
components for long-term stability

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Sun-Prime Series

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HYBRID SOLAR INVERTER

Sun-Prime 4kW

MODEL	SunPrime 4kW
RATED POWER	4000VA/4000W
PARALLEL CAPABILITY	Yes, 6 Units
INPUT	
Voltage	230 VAC
Selectable Voltage Range	170-280 (For Personal Computers) 90-280 VAC (For Home Appliances)
Frequency Range	50 Hz/60Hz (Auto Sensing)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	230VAC + 5%
Surge Power	8000VA
Efficiency (Peak)	90~93%
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)
Waveform	Pure Sine Wave
BATTERY	
Battery Voltage	24 VDC
Floating Charge Voltage	28.2 VDC
Overcharge Protection	27 VDC
SOLAR CHARGER & AC CHARGER	
Solar Charger Type	MPPT
Maximum PV Array Power	6500w
MPPT Range @ Operating Voltage	60 ~ 500 VDC
Maximum PV Array Operation	500 VDC
Maximum PV Input Current	27A
Maximum Solar Charge Current	120A
Maximum AC Charge Current	100A
Maximum Charge Current	120A
PHYSICAL	
Dimension, D x W x H (mm)	138 x 330 x 433
Net Weight (kgs)	8
Communication Interface	USB/RS232/RS485?WiFi/Dry-contact/BTS Support optional GFCI, Rapid Shutdown, AFCI detection
External Current Sensor Port	Yes, Built-in current Transformer sensor
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity (non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C
STANDARD	
Compliance Safety	CE



Sun-Prime 6.2kW Hybrid Solar Inverter



Colored LCD Display



Dual AC Power output



High Inverter Efficiency



Pure Sine Wave Output



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HYBRID SOLAR INVERTER

Sun-Prime 6.2kW

MODEL	SunPrime 6.2kW
RATED POWER	6200VA/6200W
PARALLEL CAPABILITY	Yes, 6 Units
INPUT	
Voltage	230 VAC
Selectable Voltage Range	170-280 (For Personal Computers) 90-280 VAC (For Home Appliances)
Frequency Range	50 Hz/60Hz (Auto Sensing)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	230VAC + 5%
Surge Power	12400VA
Efficiency (Peak)	90~93%
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)
Waveform	Pure Sine Wave
BATTERY	
Battery Voltage	48 VDC
Floating Charge Voltage	56.4 VDC
Overcharge Protection	54 VDC
SOLAR CHARGER & AC CHARGER	
Solar Charger Type	MPPT
Maximum PV Array Power	8500w
MPPT Range @ Operating Voltage	90 ~ 450 VDC
Maximum PV Array Operation	500 VDC
Maximum PV Input Current	27A
Maximum Solar Charge Current	120A
Maximum AC Charge Current	100A
Maximum Charge Current	100A
PHYSICAL	
Dimension, D x W x H (mm)	125 x 312 x 495
Net Weight (kgs)	12
Communication Interface	USB/RS232/RS485/WiFi/Dry-contact/BTS Support optional GFCI, Rapid Shutdown, AFCI detection
External Current Sensor Port	Yes, Built-in current Transformer sensor
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity (non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C
STANDARD	
Compliance Safety	CE



Sun-Prime 11kW Hybrid Solar Inverter



Colored LCD Display



Dual AC Power output



High Inverter Efficiency



Pure Sine Wave Output



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HYBRID SOLAR INVERTER

Sun-Prime 11kW

MODEL	SunPrime 11kW
RATED POWER	11000VA/11000W
PARALLEL CAPABILITY	Yes, 6 Units
INPUT	
Voltage	230 VAC
Selectable Voltage Range	170-280 (For Personal Computers) 90-280 VAC (For Home Appliances)
Frequency Range	50 Hz/60Hz (Auto Sensing)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	230VAC + 5%
Surge Power	22000VA
Efficiency (Peak)	90~93%
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)
Waveform	Pure Sine Wave
BATTERY	
Battery Voltage	48 VDC
Floating Charge Voltage	56.4 VDC
Overcharge Protection	54 VDC
SOLAR CHARGER & AC CHARGER	
Solar Charger Type	MPPT
Maximum PV Array Power	13500w
MPPT Range @ Operating Voltage	90 ~ 450 VDC
Maximum PV Array Operation	500 VDC
Maximum PV Input Current	27A
Maximum Solar Charge Current	150A
Maximum AC Charge Current	150A
Maximum Charge Current	150A
PHYSICAL	
Dimension, D x W x H (mm)	140 x 420 x 533
Net Weight (kgs)	18
Communication Interface	USB/RS232/RS485/WiFi/Dry-contact/BTS Support optional GFCI, Rapid Shutdown, AFCI detection
External Current Sensor Port	Yes, Built-in current Transformer sensor
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity (non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C
STANDARD	
Compliance Safety	CE



Sun-Pro 4kW Hybrid Solar Inverter



Max PV Input Current 27A



Parallel Scalability



Battery Equalization
Extends Lifecycle



Supports USB On The Go



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HYBRID SOLAR INVERTER

Sun-Pro 4kW

MODEL	SunPro 4kW
RATED POWER	4000VA/4000W
PARALLEL CAPABILITY	Yes, 6 Units
INPUT	
Voltage	230 VAC
Selectable Voltage Range	170-280 (For Personal Computers) 90-280 VAC (For Home Appliances)
Frequency Range	50 Hz/60Hz (Auto Sensing)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	230VAC + 5%
Surge Power	8000VA
Efficiency (Peak)	90~93%
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)
Waveform	Pure Sine Wave
BATTERY	
Battery Voltage	24 VDC
Floating Charge Voltage	27 VDC
Overcharge Protection	33 VDC
SOLAR CHARGER & AC CHARGER	
Solar Charger Type	MPPT
Maximum PV Array Power	5000w
MPPT Range @ Operating Voltage	90 ~ 450 VDC
Maximum PV Array Operation	500 VDC
Maximum PV Input Current	27A x 2 (MAX 40A)
Maximum Solar Charge Current	120A
Maximum AC Charge Current	100A
Maximum Charge Current	120A
PHYSICAL	
Dimension, D x W x H (mm)	119 x 313.6 x 457.5
Net Weight (kgs)	10
Communication Interface	USB/RS232/RS485?WiFi/Dry-contact/BTS Support optional GFCI, Rapid Shutdown, AFCI detection
External Current Sensor Port	Yes, Built-in current Transformer sensor
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity (non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C
STANDARD	
Compliance Safety	CE



Sun-Pro 6kW Hybrid Solar Inverter



Max PV Input Current 27A



Parallel Scalability



Battery Equalization
Extends Lifecycle



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HYBRID SOLAR INVERTER

Sun-Pro 6kW

MODEL	SunPro 6kW
RATED POWER	6000VA/6000W
PARALLEL CAPABILITY	Yes, 9 Units
INPUT	
Voltage	230 VAC
Selectable Voltage Range	170-280 (For Personal Computers) 90-280 VAC (For Home Appliances)
Frequency Range	50 Hz/60Hz (Auto Sensing)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	230VAC + 5%
Surge Power	12000VA
Efficiency (Peak)	90~93%
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)
Waveform	Pure Sine Wave
BATTERY	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	66 VDC
SOLAR CHARGER & AC CHARGER	
Solar Charger Type	MPPT
Maximum PV Array Power	8000w
MPPT Range @ Operating Voltage	90 ~ 450 VDC
Maximum PV Array Operation	120~500 VDC
Maximum PV Input Current	27A
Maximum Solar Charge Current	120A
Maximum AC Charge Current	100A
Maximum Charge Current	120A
PHYSICAL	
Dimension, D x W x H (mm)	140 x 295 x 468
Net Weight (kgs)	12
Communication Interface	USB/RS232/RS485/WiFi/Dry-contact/BTS Support optional GFCI, Rapid Shutdown, AFCI detection
External Current Sensor Port	Yes, Built-in current Transformer sensor
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity (non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C
STANDARD	
Compliance Safety	CE



Sun-Pro 8kW Hybrid Solar Inverter



Max PV Input Current 27A



Parallel Scalability



Battery Equalization
Extends Lifecycle



Supports USB On The Go



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HYBRID SOLAR INVERTER

Sun-Pro 8kW

MODEL	SunPro 8kW
RATED POWER	8000VA/8000W
PARALLEL CAPABILITY	Yes, 6 Units
INPUT	
Voltage	230 VAC
Selectable Voltage Range	170-280 (For Personal Computers) 90-280 VAC (For Home Appliances)
Frequency Range	50 Hz/60Hz (Auto Sensing)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	230VAC + 5%
Surge Power	16000VA
Efficiency (Peak)	90~93%
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)
Waveform	Pure Sine Wave
BATTERY	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	66 VDC
SOLAR CHARGER & AC CHARGER	
Solar Charger Type	MPPT
Maximum PV Array Power	10000w
MPPT Range @ Operating Voltage	90 ~ 450 VDC
Maximum PV Array Operation	120~500 VDC
Maximum PV Input Current	27A
Maximum Solar Charge Current	120A
Maximum AC Charge Current	150A
Maximum Charge Current	150A
PHYSICAL	
Dimension, D x W x H (mm)	147 x 432.5 x 553.6
Net Weight (kgs)	18.4
Communication Interface	USB/RS232/RS485/WiFi/Dry-contact/BTS Support optional GFCI, Rapid Shutdown, AFCI detection
External Current Sensor Port	Yes, Built-in current Transformer sensor
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity (non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C
STANDARD	
Compliance Safety	CE



Sun-Pro 11kW Hybrid Solar Inverter



Max PV Input Current 27A



Parallel Scalability



Battery Equalization
Extends Lifecycle



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Sun-Pro Series

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HYBRID SOLAR INVERTER

Sun-Pro 11kW

MODEL	SunPro 11kW
RATED POWER	11000VA/11000W
PARALLEL CAPABILITY	Yes, 6 Units
INPUT	
Voltage	230 VAC
Selectable Voltage Range	170-280 (For Personal Computers) 90-280 VAC (For Home Appliances)
Frequency Range	50 Hz/60Hz (Auto Sensing)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	230VAC + 5%
Surge Power	22000VA
Efficiency (Peak)	90~93%
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)
Waveform	Pure Sine Wave
BATTERY	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	66 VDC
SOLAR CHARGER & AC CHARGER	
Solar Charger Type	MPPT
Maximum PV Array Power	12500w (6250w x2)
MPPT Range @ Operating Voltage	90 ~ 450 VDC
Maximum PV Array Operation	120~500 VDC
Maximum PV Input Current	27A x2 (40A)
Maximum Solar Charge Current	150A
Maximum AC Charge Current	150A
Maximum Charge Current	150A
PHYSICAL	
Dimension, D x W x H (mm)	147 x 432.5 x 553.6
Net Weight (kgs)	18.4
Communication Interface	USB/RS232/RS485/WiFi/Dry-contact/BTS Support optional GFCI, Rapid Shutdown, AFCI detection
External Current Sensor Port	Yes, Built-in current Transformer sensor
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity (non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C
STANDARD	
Compliance Safety	CE



Sun-Ultra 8kW Hybrid Solar Inverter



Built-In WiFi



Intelligent Fan Cooling



Low Maintenance



GFCI, AFCI Rapid Shutdown



Simpler

Plug-and-play connectivity
for seamless system integration



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Sun-Ultra Series

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HYBRID SOLAR INVERTER

Sun-Ultra 8kW

MODEL	SunUltra 8kW
RATED POWER	8000VA/8000W
PARALLEL CAPABILITY	Yes, 6 Units
INPUT	
Voltage	230 VAC
Selectable Voltage Range	170-280 (For Personal Computers) 90-280 VAC (For Home Appliances)
Frequency Range	50 Hz/60Hz (Auto Sensing)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	230VAC + 5%
Surge Power	16000VA
Efficiency (Peak)	90~93%
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)
Waveform	Pure Sine Wave
BATTERY	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	66 VDC
SOLAR CHARGER & AC CHARGER	
Solar Charger Type	MPPT
Maximum PV Array Power	10000w (5000w x2)
MPPT Range @ Operating Voltage	90 ~ 450 VDC
Maximum PV Array Operation	500 VDC
Maximum PV Input Current	27A x2 (MAX 40A)
Maximum Solar Charge Current	150A
Maximum AC Charge Current	120A
Maximum Charge Current	150A
PHYSICAL	
Dimension, D x W x H (mm)	145 x 438 x 553.6
Net Weight (kgs)	18.4
Communication Interface	USB/RS232/RS485/WiFi/Dry-contact/BTS Support optional GFCI, Rapid Shutdown, AFCI detection
External Current Sensor Port	Yes, Built-in current Transformer sensor
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity (non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C
STANDARD	
Compliance Safety	CE



Sun-Ultra 11kW Hybrid Solar Inverter



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Sun-Ultra Series

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HYBRID SOLAR INVERTER

Sun-Ultra 11kW

MODEL	SunUltra 11kW
RATED POWER	11000VA/11000W
PARALLEL CAPABILITY	Yes, 6 Units
INPUT	
Voltage	230 VAC
Selectable Voltage Range	170-280 (For Personal Computers) 90-280 VAC (For Home Appliances)
Frequency Range	50 Hz/60Hz (Auto Sensing)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	230VAC + 5%
Surge Power	22000VA
Efficiency (Peak)	90~93%
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)
Waveform	Pure Sine Wave
BATTERY	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	66 VDC
SOLAR CHARGER & AC CHARGER	
Solar Charger Type	MPPT
Maximum PV Array Power	13000w (6500w x2)
MPPT Range @ Operating Voltage	90 ~ 450 VDC
Maximum PV Array Operation	500 VDC
Maximum PV Input Current	27A x2 (MAX 40A)
Maximum Solar Charge Current	150A
Maximum AC Charge Current	150A
Maximum Charge Current	150A
PHYSICAL	
Dimension, D x W x H (mm)	145 x 438 x 553.6
Net Weight (kgs)	18.4
Communication Interface	USB/RS232/RS485/WiFi/Dry-contact/BTS Support optional GFCI, Rapid Shutdown, AFCI detection
External Current Sensor Port	Yes, Built-in current Transformer sensor
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity (non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C
STANDARD	
Compliance Safety	CE



SunX IP65

On-Grid Inverter

SunX 10Kw



Colored LCD Display



Dual AC Power output



High Inverter Efficiency



Pure Sine Wave Output



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SunX On-Grid

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On-Grid Solar Inverter

SUN 10kW

MODEL	SUN 10KTL3 X2(PRO)
INPUT DATA (DC)	
Max Recommended PV Power	15000W
Max DC Voltage	1100V
Start Voltage	160V
No. of MPP trackers	2
No. of PV Strings per MPP trackers	1
MPP Voltage range	140V-1000V
OUTPUT	
AC Nominal Power	10000W
Nominal AC Voltage (range)	220V/380V, 230V/400V (340-440V)
AC Grid frequency (range)	50/60Hz (45Hz/55-65Hz)
Max output current	16A
AC grid Connection type	3W+N+PE
EFFICIENCY	
Max Efficiency	98.6%
European efficiency	98.2%
MPPT efficiency	99.9%
PROTECTION DEVICES	
DC reverse polarity protection	Yes
AC/DC surge protection	Type II/ Type II
Insulation resistance monitoring	Yes
AC short-circuit protection	Yes
Ground fault monitoring	Yes
Grid Monitoring	Yes
String fault monitoring	Yes
AFCI protection	Optional
GENERAL DATA	
Dimension, W x H x D (mm)	425 x 387 x 178mm
Net Weight (kgs)	14.6
Operating temperature range	-25°C _ +60°C
Protection Degree	IP66
Relative Humidity	0~100%
Altitude	4000m
DC connection	H4/MC4(Optional)
AC connection	Connector
Display	OLED+LED/WIFI+APP
Interfaces: USB/RS485/WIFI/GPRS/LAN/RF	Yes/Yes/Optional/Optional/Optional/Optional
Warranty 8 / 10 years	Yes/Optional



Lithium Ion Battery

25.6V | 100Ah



Long Cycle Life



High Energy Density



Built-In BMS



Low Maintenance



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Lithium Ion Battery

For more about 25.6V Lithium Ion Battery
please visit www.sunxpv.com

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Lithium Ion Battery

25.6V | 100 Ah

MODEL	25.6V 100Ah
Installation Mode	Wall Mounted
Rated Voltage	25.6V
Rated Capacity	100Ah
Energy	2.56kWh
Cell Brand	REPT 100Ah
Cell Unit	3.2V100Ah
BMS Brand	DAREN
BMS Communication	RS485, RS232, CAN
Configuration	8S1P
Charge cutoff voltage	29.2V
Discharge cutoff voltage	16V
Life Time (25 C)	15 Years
Life Cycles (80% DOD, 25 C)	6000 Cycles
Maximum charging continuous current	120Ah
Maximum discharge continuous current	120Ah
Charging efficiency	>98%
Electricity charged in the shipped product	30% - 50% SOC
Operating Temperature	Charging 0~55 Discharging -10~55
Storage Temperature	-20~60
Working Humidity	10~85%
Storage Humidity	10~85%
Dimensions (L x W x H)	About 371 + mm(L)*375+-mm(W)+-mm(H) Includes hanging 12mm (D)
Package size (L x W x H)	About 505+-mm(L)*465+_mm(W)*275+_mm(H)
Weight	About 22kgs
Modules Connection	Maximum 16 Parallel
Ingress Protection	IP21



X-Black

Lithium Ion Battery

25.6V | 100Ah



Long Cycle Life



High Energy Density



Built-In BMS



Low Maintenance



Simpler

Plug-and-play connectivity
for seamless system integration



Safer

Comply with international quality standards
tested by TUV,BV,Delora etc.



Great Reliability

Built with industrial-grade
components for long-term stability

ANYTIME, ANYWHERE

REMOTE MONITORING PLATFORM

Monitor battery health-charge/
discharge status, and performance
in real-time via smartphone app or
web portal using out advanced
monitoring platform

Lithium Ion Battery

For more about 25.6V Lithium Ion Battery
please visit www.sunxpv.com

www.sunxpv.com/shop



Lithium Ion Battery

25.6V | 100 Ah

MODEL	X- Black 25.6V 100Ah
Battery Chemistry	LifePO4
Nominal Voltage	25.6V
Nominal Capacity	100Ah
Battery Cell	3.2V 100Ah Prismatic
Parallel Capacity	16 Units
Max.Charge Current	100A
Max.Discharge Current	100A
Discharge Voltage Range	41-54.5V
Charge Voltage Range	53.5-54.5V
Design Life	15+ Years (25 C/77°F)
Cycle Life	>6000 Cycles, 25°C
Communication Port	CAN, RS485, RS232
Size L*W*H(mm)	295*425*115mm
Weight	27KG
Working Temperature	-10~50°C
Shelf Temperature	20~50°C
Operation Temperature Range	Charge: 0~50 C/Discharge: -20~50°C
Certification	CE/IEC62619/UN38.3/MSDS





Lithium Ion Battery

51.2V | 100Ah



Long Cycle Life



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Lithium Ion Battery

51.2V | 100 Ah

MODEL	51.2V 100Ah
Rated Voltage	51.2V
Max. voltage range	40~58.4
Charge Voltage	58.4V
Low voltage cut-off	40.0V
Nominal Energy	5.12KWh
Usable Energy	5.12KWh
Nominal Capacity	100Ah
Dimension	24.57*17.72*8.23/62.4*45*20.9cm
Weight	116.85lb/53kg
Standard charge Current	≤ 50A
Max. charge current	100A
Standard discharge current	≤ 50A
Max discharge current	100A(initial temp. ≤35°C)
Communication	RS485/CAN/RS232
Max. parallel number	15 pcs
Operating Temperature	Charge: 0~55°C Discharge: 20~55°C



X-Black

Lithium-Ion Battery

51.2V | 100Ah



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Lithium Ion Battery

51.2V | 100 Ah

MODEL	X-Black 51.2V 100Ah
Rated Voltage	51.2V
Max. voltage range	40~58.4
Charge Voltage	58.4V
Low voltage cut-off	40.0V
Nominal Energy	5.12KWh
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Standard discharge current	≤ 50A
Max discharge current	100A(initial temp. ≤35°C)
Communication	RS485/CAN/RS232
Max. parallel number	15 pcs
Operating Temperature	Charge: 0~55°C Discharge: 20~55°C

PowerWall Series



PowerWall Lite

25.6V | 100Ah



Long Cycle Life



High Energy Density



Built-In BMS



Low Maintenance



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Lithium Ion Battery

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www.sunxpv.com/shop



Lithium Ion Battery

Power Wall Lite

MODEL	PWL 25.6V 100Ah
Battery Chemistry	LifePO4
Nominal Voltage	25.6V
Nominal Capacity	100Ah
Battery Cell	3.2V 100Ah Prismatic
Parallel Capacity	16 Units
Max.Charge Current	100A
Max.Discharge Current	100A
Discharge Voltage Range	41-54.5V
Charge Voltage Range	53.5-54.5V
Design Life	15+ Years (25 C/77°F)
Cycle Life	>6000 Cycles, 25°C
Communication Port	CAN, RS485, RS232
Size L*W*H(mm)	295*425*115mm
Weight	27KG
Working Temperature	-10~50°C
Shelf Temperature	20~50°C
Operation Temperature Range	Charge: 0~50 C/Discharge: -20~50°C
Certification	CE/IEC62619/UN38.3/MSDS



PowerWall Standard

51.2V | 100Ah



Long Cycle Life



High Energy Density



Built-In BMS



Low Maintenance



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Lithium Ion Battery

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www.sunxpv.com/shop



Lithium Ion Battery

Power Wall Standard

MODEL	PWS 51.2V 100Ah
Battery Chemistry	LifePO4
Nominal Voltage	51.2V
Nominal Capacity	100Ah
Battery Cell	3.2V 100Ah Prismatic
Parallel Capacity	16 Units
Max.Charge Current	100A
Max.Discharge Current	100A
Discharge Voltage Range	41-54.5V
Charge Voltage Range	53.5-54.5V
Design Life	15+ Years (25 C/77°F)
Cycle Life	>6000 Cycles, 25°C
Communication Port	CAN, RS485, RS232
Size L*W*H(mm)	295*425*115mm
Weight	48KG
Working Temperature	-10~50°C
Shelf Temperature	20~50°C
Operation Temperature Range	Charge: 0~50 C/Discharge: -20~50°C
Certification	CE/IEC62619/UN38.3/MSDS



PowerWall Pro

51.2V | 200Ah



Long Cycle Life



High Energy Density



Built-In BMS



Low Maintenance



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monitoring platform

Lithium Ion Battery

For more about PowerWall Series
please visit www.sunxpv.com

www.sunxpv.com/shop



Lithium Ion Battery

Power Wall Pro

MODEL	PWP 51.2V 200Ah
Battery Chemistry	LifePO4
Nominal Voltage	51.2V
Nominal Capacity	200Ah
Battery Cell	3.2V 100Ah Prismatic
Parallel Capacity	16 Units
Max.Charge Current	100A
Max.Discharge Current	100A
Discharge Voltage Range	41-54.5V
Charge Voltage Range	53.5-54.5V
Design Life	15+ Years (25 C/77°F)
Cycle Life	>6000 Cycles, 25°C
Communication Port	CAN, RS485, RS232
Size L*W*H(mm)	295*425*115mm
Weight	48KG
Working Temperature	-10~50°C
Shelf Temperature	20~50°C
Operation Temperature Range	Charge: 0~50 C/Discharge: -20~50°C
Certification	CE/IEC62619/UN38.3/MSDS



PowerWall Max

51.2V | 300Ah



Long Cycle Life



High Energy Density



Built-In BMS



Low Maintenance



Simpler

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for seamless system integration



Safer

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Lithium Ion Battery

For more about PowerWall Series
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www.sunxpv.com/shop



Lithium Ion Battery

Power Wall Max

MODEL	PWM 51.2V 300Ah
Battery Chemistry	LifePO4
Nominal Voltage	51.2V
Nominal Capacity	300Ah
Battery Cell	3.2V 100Ah Prismatic
Parallel Capacity	16 Units
Max.Charge Current	100A
Max.Discharge Current	100A
Discharge Voltage Range	41-54.5V
Charge Voltage Range	53.5-54.5V
Design Life	15+ Years (25 C/77°F)
Cycle Life	>6000 Cycles, 25°C
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Certification	CE/IEC62619/UN38.3/MSDS

Solar Panels

LUMO Edge **L6**

SR5-72HTH
565~585W

- Suitable for Distribution Market
- Simple design embodies modern style
- Better energy generation performance
- High-quality module guarantees long-term reliability



15-year Warranty for Materials and Processing



25-year Warranty for Extra Linear Power Output

Complete System and Product Certifications

IEC 61215, IEC 61730, UL 61730

ISO9001:2015: ISO Quality Management System

ISO14001: 2015: ISO Environment Management System

ISO45001: 2018: Occupational Health and Safety

IEC62941: Guideline for module design qualification and type approval



22.6%
MAX MODULE
EFFICIENCY

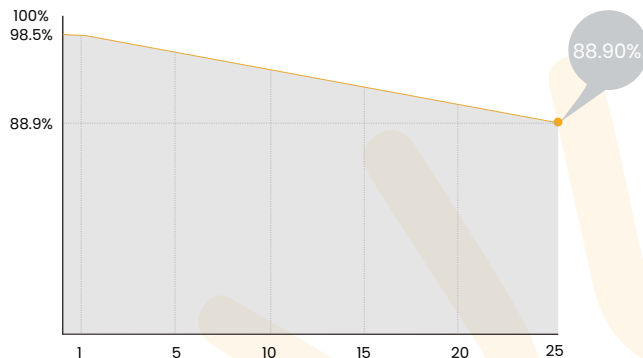
0~3%
POWER
TOLERANCE

<1.5%
FIRST YEAR
POWER DEGRADATION

0.40%
YEAR 2~25
POWER DEGRADATION

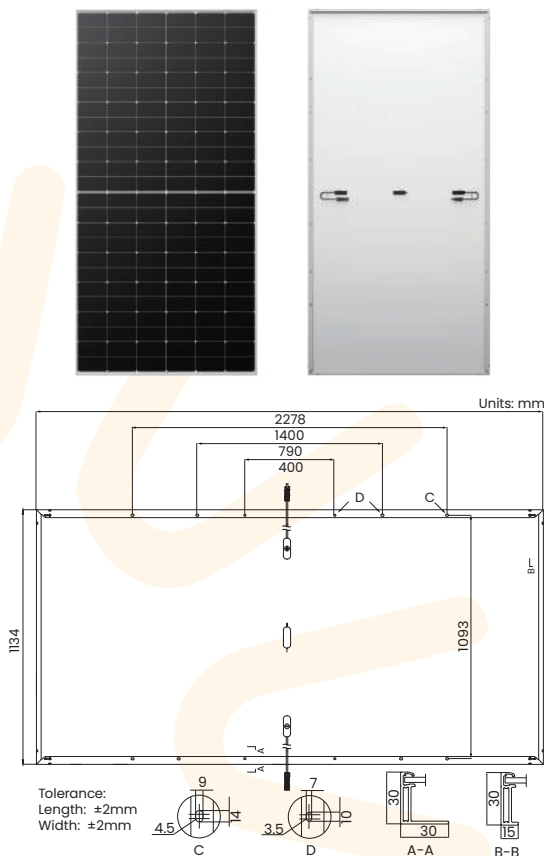
Additional Value

25-Year Power Warranty



Mechanical Parameters

Cell Orientation	144 (6×24)
Junction Box	IP68
Output Cable	4mm ² +400, ~200mm/±1400mm length can be customized
Glass	Single glass, 3.2mm coated tempered glass
Frame	Anodized aluminum alloy frame
Weight	27.2kg
Dimension	2278×1134×30mm
Packaging	36pcs per pallet / 180pcs per 20'P / 720pcs per 40'HC



Electrical Characteristics

STC : AM1.5 1000W/m² 25°C NOCT : AM1.5 800W/m² 20°C 1m/s Test uncertainty for Pmax: ± 3%

Module Type	LR5-72HTH-565M		LR5-72HTH-570M		LR5-72HTH-575M		LR5-72HTH-580M		LR5-72HTH-585M	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	565	422	570	426	575	430	580	433	585	437
Open Circuit Voltage (Voc/V)	51.76	48.60	51.91	48.74	52.06	48.88	52.21	49.02	52.36	49.16
Short Circuit Current (Isc/A)	14.01	11.31	14.07	11.36	14.14	11.42	14.20	11.47	14.27	11.52
Voltage at Maximum Power (Vmp/V)	43.61	39.79	43.76	39.93	43.91	40.07	44.06	40.20	44.21	40.34
Current at Maximum Power (Imp/A)	12.96	10.61	13.03	10.68	13.10	10.73	13.17	10.78	13.24	10.84
Module Efficiency(%)	21.9		22.1		22.3		22.5		22.6	

Operating Parameters

Operational Temperature	-40°C ~ +85°C
Power Output Tolerance	0 ~ 3%
Voc and Isc Tolerance	±3%
Maximum System Voltage	DC1500V (IEC/UL)
Maximum Series Fuse Rating	25A
Nominal Operating Cell Temperature	45±2°C
Protection Class	Class II
Fire Rating	UL type I or 2 IEC Class C

Mechanical Loading

Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Hailstone Test	25mm Hailstone at the speed of 23m/s

Temperature Ratings (STC)

Temperature Coefficient of Isc	+0.050%/°C
Temperature Coefficient of Voc	-0.230%/°C
Temperature Coefficient of Pmax	-0.290%/°C

CERTIFIED FOR EXCELLENCE

Trusted Worldwide

Quality you can depend on

- Internationally recognized certifications
- Strict safety and quality controls
- Independent product testing

Our Certifications



Proven Track Record

Backed by the proven expertise of our sister company, **Asaan Solar Solution**, **SunX** inherits years of industry experience, successful project execution, and a trusted reputation in the renewable energy sector. This strong foundation enables **SunX** to deliver innovative inverter and battery solutions with the same commitment to quality and reliability

SunX SERVICE CARE CENTRE & DEALERSHIP

Nationwide Support, Wherever You Are!
Get in touch with our Service Network



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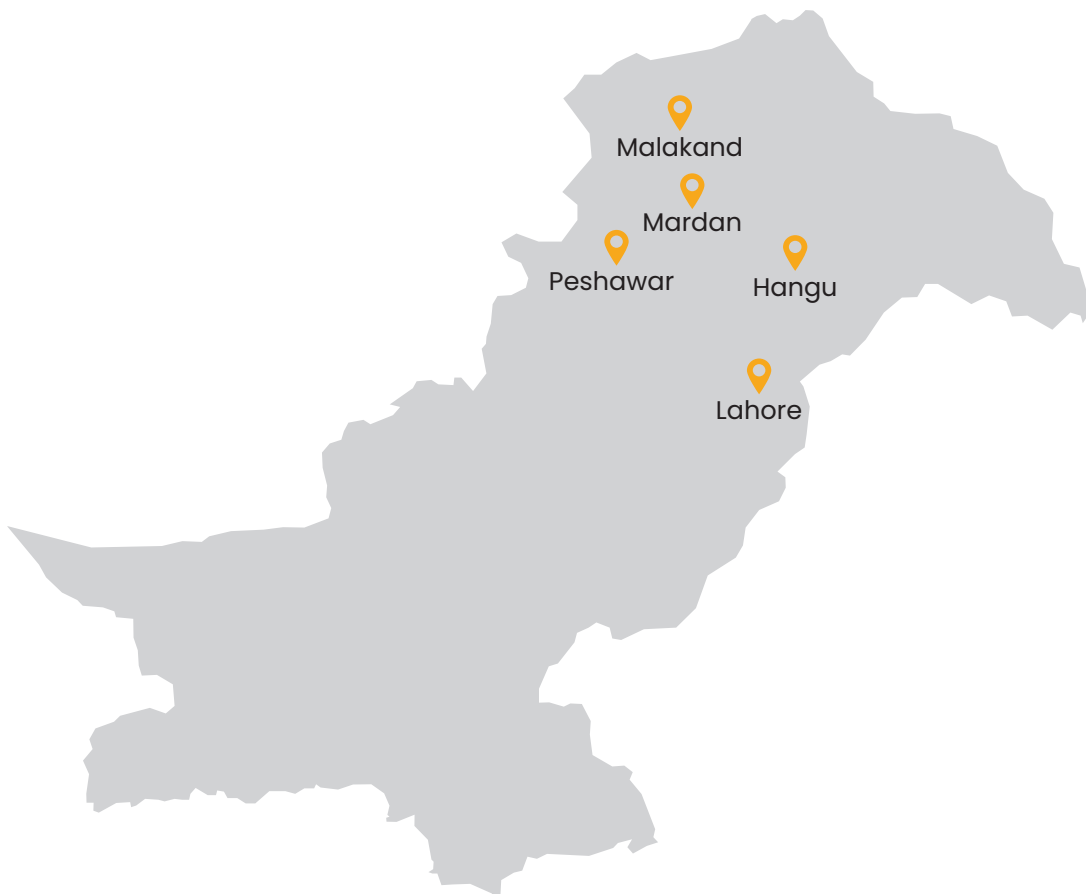
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Nawab Marwat Solar, Main Bazar,
Hangu





Hybrid Inverters | Lithium Ion Batteries

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