



HIGH QUALITY POWER SOLUTIONS



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Wynberg
Sandton
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A glass sphere, acting as a fisheye lens, is perched on a weathered wooden stump. The sphere's surface is highly reflective, capturing a detailed and inverted image of a forest path. The path is covered in fallen autumn leaves in shades of orange, yellow, and brown. Tall trees with sparse foliage line the path, their branches reaching towards a bright sky. The background behind the sphere is a soft-focus forest with green and yellow leaves, suggesting a natural, outdoor setting. The overall composition is centered and balanced, with the sphere as the primary focal point.

ENVIRONMENT

POWER DESIGNED FOR CLEAN AFFORDABLE ENERGY



ENVIRONMENT

Power designed for clean and affordable energy.
Becoming eco-friendly can start at home.



SECURITY

The safety and security of your home is
one more thing you don't have to worry about.

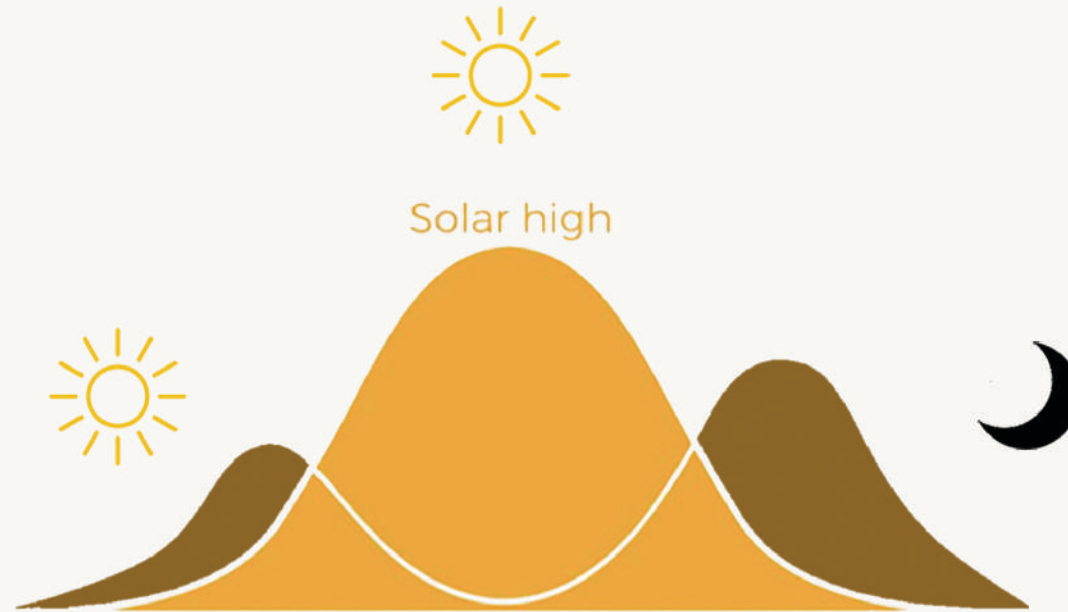


INDEPENDENCE

Gain freedom from the standards of electricity,
powering your home with solar energy.

SYNC WITH THE SUN

Most energy is used in the morning and evenings. MI Power Banks minimize waste and pollution by leveraging the power of the sun 24 hours a day.



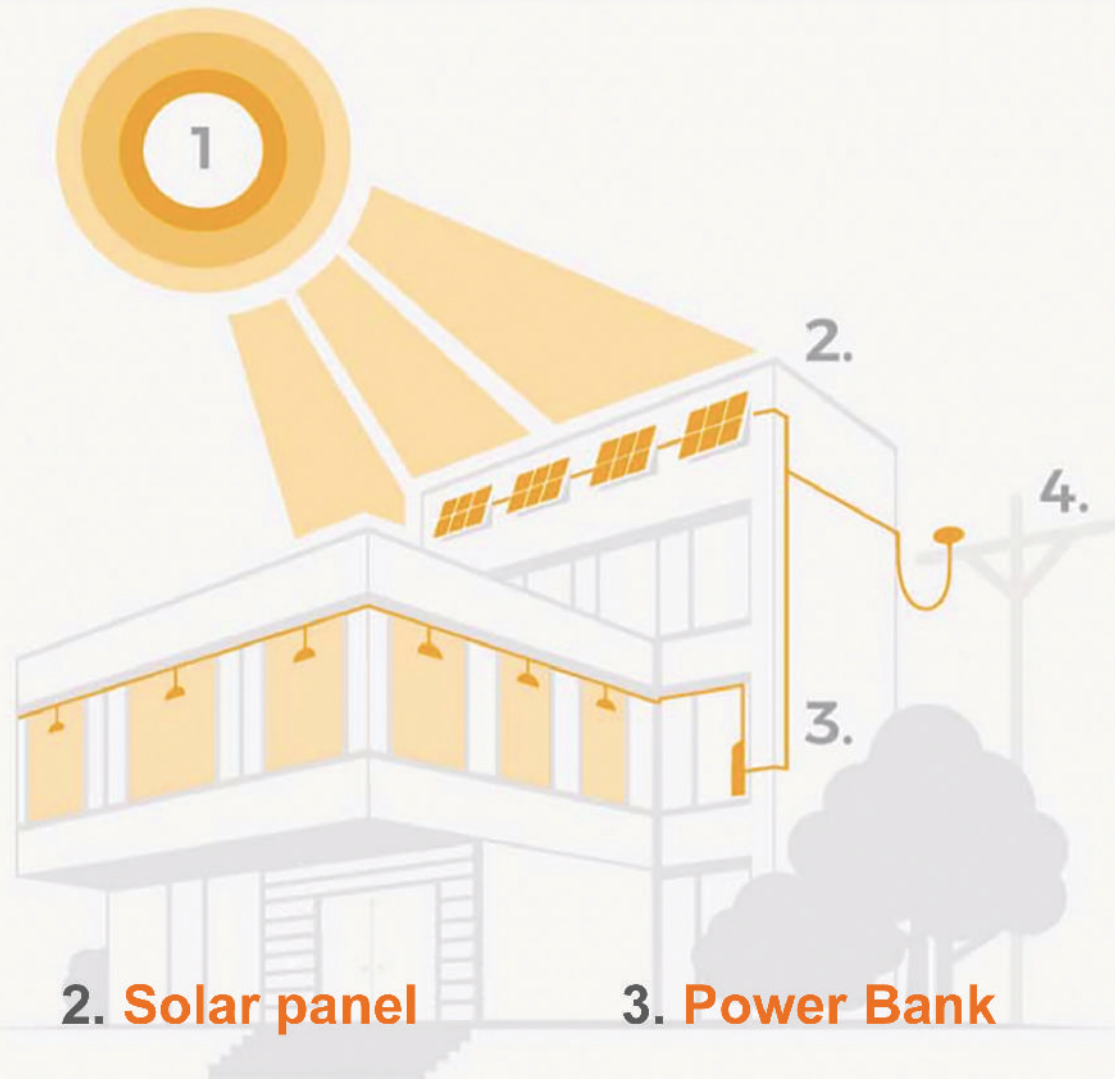
➤ Solar energy produced

➤ Use of solar energy

➤ Use of stored energy

CLEAN AND AFFORDABLE ENERGY

Once your MI Power Bank is full, surplus power is sent to the local grid, saving costs and the environment.



1. Solar energy

2. Solar panel

3. Power Bank

4. Local Grid

A modern living room with a grey sofa, a patterned rug, and a chandelier. The room is well-lit and features a mix of contemporary and traditional decor. The text is overlaid on the image, centered in the upper half.

SECURITY

POWER DESIGNED FOR YOUR SAFETY

MI Power Banks are designed to provide you and your family peace of mind in the event of a power outage



SOLAR POWER BANKS



POWER BANK FEATURES

- Intelligent power management
- Simple user controls, power data history analysis, and programming
- Capacitive touch screen interface
- Secure battery access door
- Extruded aluminum housing with premium bead blasted finish
- Height-adjustable threaded appliance-grade feet for stability and level appearance



BATTERY MODULE 3K PACK

TECHNICAL SPECS



POWER

Battery Type	NCM
Capacity	3.1 kWh
Depth of Discharge	80%
Voltage	50.4 V
Certification	Cell: UL1642 Module: Refer to UN38.3 and CE design
Max Charge/Discharge	50 A
Operating Temperature	-10° to 45°C / 14°F to 113°F
Storage Temperature	-30° to 60°C / -22°F to 140°F
Humidity Conditions	5% to 95%

MISCELLANEOUS

Installation	Floor Install in an indoor and/ or covered outdoor area, or inside a power bank casing
Weight	27 kg / 59.4 lbs
Dimensions	(H x W x D) 550mm x 390mm x 110mm 21.7" x 15.4" x 14.3"



BATTERY MODULE 4K PACK

TECHNICAL SPECS



POWER

Battery Type	LFP
Capacity	3.84 kWh
Depth of Discharge	90%
Voltage	51.2 VDC
Certification	Cell: UL1642 Pack: Refer to UN38.3, UL1973, and IEC62619 design
Max Discharge	75A
Operating Temperature	-10° to 45°C / 14°F to 113°F
Storage Temperature	-30° to 60°C / -22°F to 140°F
Humidity Conditions	5% to 95%

MISCELLANEOUS

Installation	Floor Install in an indoor and/ or covered outdoor area, or inside a power bank casing
Weight	56 kg / 123.5 lbs
Dimensions	(H x W x D) 436mm x 630mm x 200mm 17.2" x 24.8" x 7.9"



BATTERY MODULE 15K PACK HV

TECHNICAL SPECS



POWER

Battery Type	NCM
Capacity	15 kWh
Depth of Discharge	80%
Voltage	410 V
Certification	Cell: UL1642 Pack: Refer to UN38.3, UL1973, and IEC62619 design
Max Charge/Discharge	30A
Operating Temperature	-10° to 45°C / 14°F to 113°F
Storage Temperature	-30° to 60°C / -22°F to 140°F
Humidity Conditions	5% to 95%

MISCELLANEOUS

Installation	Indoors / Outdoors
Weight	138 kg / 303.6 lbs
Dimensions	(H x W x D) 1200mm x 580mm x 200mm 47.2" x 22.8" x 7.9"
Warranty	5-year standard warranty Optional 5-year extension

POWER BANK S4

TECHNICAL SPECS



POWER

Battery Type	NCM
Capacity	15 kWh
Depth of Discharge	80%
Voltage	410 V
Certification	Cell: UL1642 Pack: Refer to UN38.3, UL1973, and IEC62619 design
Max Charge/Discharge	30A
Operating Temperature	-10° to 45°C / 14°F to 113°F
Storage Temperature	-30° to 60°C / -22°F to 140°F
Humidity Conditions	5% to 95%

MISCELLANEOUS

Installation	Indoors / Outdoors
Weight	138 kg / 303.6 lbs
Dimensions	(H x W x D) 1200mm x 580mm x 200mm 47.2" x 22.8" x 7.9"
Warranty	5-year standard warranty Optional 5-year extension

POWER BANK S8

TECHNICAL SPECS



POWER

AC Power	4600 W / 6000 W
AC Voltage	230VAC 50/60Hz / 120VAC & 240VAC
PV MPPT Voltage	120-450 VDC
Battery Type	LFP
Capacity	7.68 kWh
Battery Voltage	51.2 VDC
Max Charge/Discharge	120 A
DOD	90%
Battery Modules	2
HDMI Interface	7" LCD
Operating Temperature	-10° to 45°C / 14°F to 113°F
Certification	Cell: UL1642
	Pack: Refer to UN38.3, UL1973, and IEC62619 design
	System: UL9540, EN 62477-1

MISCELLANEOUS

Installation	Floor Install in indoor and/or covered outdoor area.
Weight	240 kg / 528 lbs
Dimensions	(H x W x D) 1330mm x 750mm x 565mm 52.4" x 29.5" x 22.2"
Warranty	5-year standard warranty Optional 5-year extension

POWER BANK S12

TECHNICAL SPECS



POWER

AC Power	4600 W / 6000 W / 8000 W
AC Voltage	230VAC 50/60Hz / 120VAC & 240VAC
PV MPPT Voltage	120-450 VDC
Battery Type	LFP
Capacity	11.5 kWh
Battery Voltage	51.2 VDC
Max Charge/Discharge	150 A
DOD	90%
Battery Modules	3
HDMI Interface	7" LCD
Operating Temperature	-10° to 45°C / 14°F to 113°F
Certification	Cell: UL1642
	Pack: Refer to UN38.3, UL1973, and IEC62619 design
	System: UL9540, EN 62477-1

MISCELLANEOUS

Installation	Floor Install in indoor and/or covered outdoor area.
Weight	300 kg / 660 lbs
Dimensions	(H x W x D) 1330mm x 750mm x 565mm 52.4" x 29.5" x 22.2"
Warranty	5-year standard warranty Optional 5-year extension

POWER CELL

TECHNICAL SPECS



POWER

AC Power	30 kW / 60 kW
AC Voltage	380VAC / 400VAC / 415VAC
PV MPPT Voltage	120-450 VDC
Battery Type	NCM
Capacity	35 kWh - 100 kWh
Battery Voltage	200-900 VDC
Max Charge/Discharge	135 A
DOD	80%
Battery Modules	6-16
HDMI Interface	7" LCD
Operating Temperature	-10° to 45°C / 14°F to 113°F
Certification	Cell: UL1642 Module: Refer to UN38.3, UL1973, and IEC62619 design

MISCELLANEOUS

Installation	Indoors / Outdoors
Weight	TBD
Dimensions	(H x W x D) 1960mm x 600mm x 800mm 77.2" x 23.6" x 31.5"
Warranty	5-year standard warranty Optional 5-year extension

The logo for MI POWER, featuring a stylized power button symbol in blue and orange to the left of the text "MI POWER" in blue, with "CLEAN AIR QUALITY POWER SOLUTIONS" in smaller blue text below it.

MI POWER
CLEAN AIR QUALITY POWER SOLUTIONS

INDEPENDENCE

POWER DESIGNED TO SET YOU FREE

HOME STORAGE SYSTEM SPECIFICATION

PV Input	S4	S8	S12
Max. recommended DC power (W)	3300	5000	5000
Max. DC voltage (V)	500	500	500
Norminal DC operating voltage (V)	360	360	360
MPPT voltage range (V)	120-450	120-450	120-450
Max. input current (A)	13	13/13	13/13
Max. short current (A)	15.6	15.6/15.6	15.6/15.6
Number of MPPT trackers	1	2	2
Strings per MPPT tracker	1	1	1
AC Output			
AC nominal power (W)	3000	4600	4600
Max. AC current (A)	13	20	20
Max. AC short current (A)	20	30	30
Max. AC protection current (A)	20	30	30
Nominal AC voltage/Range (VAC)	230 ;180~270	230 ;180~270	230 ;180~270
Grid Frequency/Range (Hz)	50(45-54) / 60(55-65)	50(45-54) / 60(55-65)	50(45-54) / 60(55-65)
Power factor (rated power)	≥0.99	≥0.99	≥0.99
Displacement Power Factor	±0.95	±0.95	±0.95
Grid type	Single phase(L/N/PE)	Single phase(L/N/PE)	Single phase(L/N/PE)
Total harmonic distortion (THD)	<3%	<3%	<3%
Off-Grid AC Output			
Max. AC power (W)	3000/3000	4600/4600	4600/4600
Off-Grid AC Rated voltage (V)	220/230/240	220/230/240	220/230/240
AC nominal current (A)	13	20	20
Frequency (Hz)	50 / 60	50 / 60	50 / 60
Max. AC short current (A)	20	30	30
Switching time (ms)	20	20	20
Total harmonic distortion (THD)	<3%	<3%	<3%
Peak power(off grid)/Time	150%/10s	150%/10s	150%/10s
Back current (A)	0	0	0
Grid type	Single phase(L/N/PE)	Single phase(L/N/PE)	Single phase(L/N/PE)

HOME STORAGE SYSTEM SPECIFICATION

Battery Data	S4	S8	S12
Battery type	Lithium(LFP)	Lithium(LFP)	Lithium(LFP)
Nominal Storage capacity (kWh)	3.84	7.68	11.52
Usable Storage Capacity (kWh)	3.6	7.2	10.8
Battery capacity (Ah)	75	150	225
Normal voltage (V)	51.2	51.2	51.2
Voltage range (V)	42-58	42-58	42-58
Max. charge current (A)	60A	100	100
Max. discharge current (A)	60A	100	100
DOD	90%	90%	90%
Cycle life	6000	6000	6000
Regular Parameters			
Dimension (H x W x D)	1230mm x 700mm x 340mm	1330mm x 750mm x 565mm	1330mm x 750mm x 565mm
Weight (kg)	138kg	240kg	300kg
Display	7" graphic LCD	7" graphic LCD	7" graphic LCD
Communication	CAN,WIFI	WIFI,CAN	WIFI,CAN
Operating temperature range (°C)	-10~+45	-10~+45	-10~+45
Storage stability range (°C)	-20~+60	-20~+60	-20~+60
Relative humidity	0-95%	0-95%	0-95%
Altitude (m)	<2000	<2000	<2000
Cooling methods	Forced airflow	Forced airflow	Forced airflow
Degree of protection	IP20	IP20	IP20
Certificates	EN 62477-1	EN 62477-1	EN 62477-1
Warranty	5 Year, Optional 5 year extension		

HOME STORAGE SYSTEM SPECIFICATION (N/A)

PV Input	S8	S12	S12
Rated DC power(W)	6000	6000	8000
Max. DC Voltage(V)	500	500	500
MPPT Voltage range(V)	150-450	150-450	150-450
Starting Voltage(V)	200	200	200
Max. DC current(A)	10+10	10+10	18+18
Input String Number	2	2	4
Number of MPPT tracker	2	2	2
Strings per MPPT tracker	1	1	1
AC Output			
Rated AC output and UPS power (W)	6000	6000	8000
Max. AC power (W)	6000	6000	8000
Peak power (off grid)	1.5 times rated power, 10S	1.5 times rated power, 10S	1.5 times rated power, 10S
Continuous output current (A)	25	25	32
Over current protection (A)	50	50	55
Output frequency and voltage	50/60Hz: 120vac & 240Vac	50/60Hz: 120vac & 240Vac	50/60Hz: 120vac & 240Vac
Off grid output range	45-55Hz / 55-65Hz; 180-270Vac, 230Vac \pm 2%	45-55Hz / 55-65Hz; 180-270Vac, 230Vac \pm 2%	45-55Hz / 55-65Hz; 180-270Vac, 230Vac \pm 2%
Current harmonic distortion	50Hz \pm 0.2%, THD <3% (Linear loading) <1.5%	50Hz \pm 0.2%, THD <3% (Linear loading) <1.5%	50Hz \pm 0.2%, THD <3% (Linear loading) <1.5%
Power factor	0.9 Leading - 0.9 Lagging	0.9 Leading - 0.9 Lagging	0.9 Leading - 0.9 Lagging
Grid type	Single phase, Split phase	Single phase, Split phase	Single phase, Split phase

POWER CELL SYSTEM SPECIFICATION

PV Input		Battery Data	
Max. DC power (W)	10000-30000	Battery Type	Lithium(NCM)
Max. DC voltage (V)	500	Nominal Storage Capacity (kWh)	5.9*N
MPPT Voltage range (V)	120-450	Usable Storage Capacity	4.7*N
Max Input Current (A)	13*N	Battery Capacity (Ah)	135
Number of MPPT trackers	2-6	Normal Voltage (V)	43.9*N
AC Output		Voltage Range (V)	200-900
AC Nominal Power (W)	30000/60000	Max. Charge Current (A)	110
Max. AC Current (A)	45/90	Max. Discharge Current (A)	110
Max. AC Short Circuit Current (A)	/	DOD	80%
Max. AC Protection Current (A)	/	Cycle Life	6000
Nominal AC voltage/Range (VAC)	AC380V/400V/415V(3P+PE/3P+N+PE)	Regular Parameters	
Grid Frequency/Range (Hz)	50(45-55) / 60(55-65)	Dimension (H x W x D)	1960mm x 600mm x 800mm
Power Factor (rated power)	/	Weight (kg)	TBD
Displacement Power Factor	/	Display	/
Grid Type	Three Phase (3P+PE/3P+N+PE)	Communication	CAN, Wi-Fi
Total Harmonic Distortion	<3%	Operating Temperature Range (C°)	-10° to +45°
Off-Grid AC Output		Storage Stability Range (C°)	-20° to +60°
Max. AC Power (W)	30000/60000	Relative Humidity	0 - 90%
Off-Grid AC Rated Voltage (V)	AC380V/400V/415V	Altitude (m)	< 2000
AC Nominal Current (A)	45/90	Cooling Methods	Forced Airflow
Frequency (Hz)	50 / 60	Degree of Protection	IP20
Max. AC Short Circuit Current (A)	/	Certificates	TBD
Switching Time (ms)	/	Warranty	5 - Year
Total Harmonic Distortion (THD)	<3%		
Peak Power (Off-Grid) (Time)	125% / 200ms		
Back Current (A)	/		
Grid Type	Three-phase (3P+PE/3P+N+PE)		

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