

尺寸: 210x148mmh A5 展开尺寸: 420x148mmh



Brand public account



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Company Profile

Shenzhen Daran New Energy Technology Co.,Ltd. is a wholly-owned subsidiary of Dongguan Mentech Optical & Magnetic Co., Ltd. (Stock Code:002902). We have professional experience in multi-field. With the spirit of artisan, we put our passion into energy storage product innovation and our service which is centered on brand marketing.

By integrating first-class R&D capabilities, ample funds, and the global leading self-owned supply chain, we can provide the most cost-effective products and solutions, and comprehensively solve the problems of cost and process for customers.

Our services include energy storage product development research and strategic consulting, PI planning, industrial design creativity, structural design, supply chain management, financial support, and the entire chain of brand marketing and promotion.

We are your royal designer to make power station products!

NEO series power station

Cool look and technology coexist
Price and quality go hand in hand



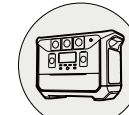
Application Scenarios

Outdoor camping, RV travel,
Outdoor photography, outdoor work,
emergency rescue, family backup

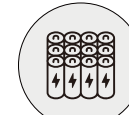


NEO High Power Products

Introduction to NEO series power station



Product series
PI design



LFP safety batteries



Super fast charging
(Bi-directional Inverter Technology,
charge to full in 2 hours)



Low failure rate
and stable quality



High-power
solar charging



Support parallel and
series unit function
at the same, up to 6 unit



Support APP/4G/portable
home energy storage all-in-one



High-power
UPS function



Core Function



Multiple Unit Parallel/Series Function

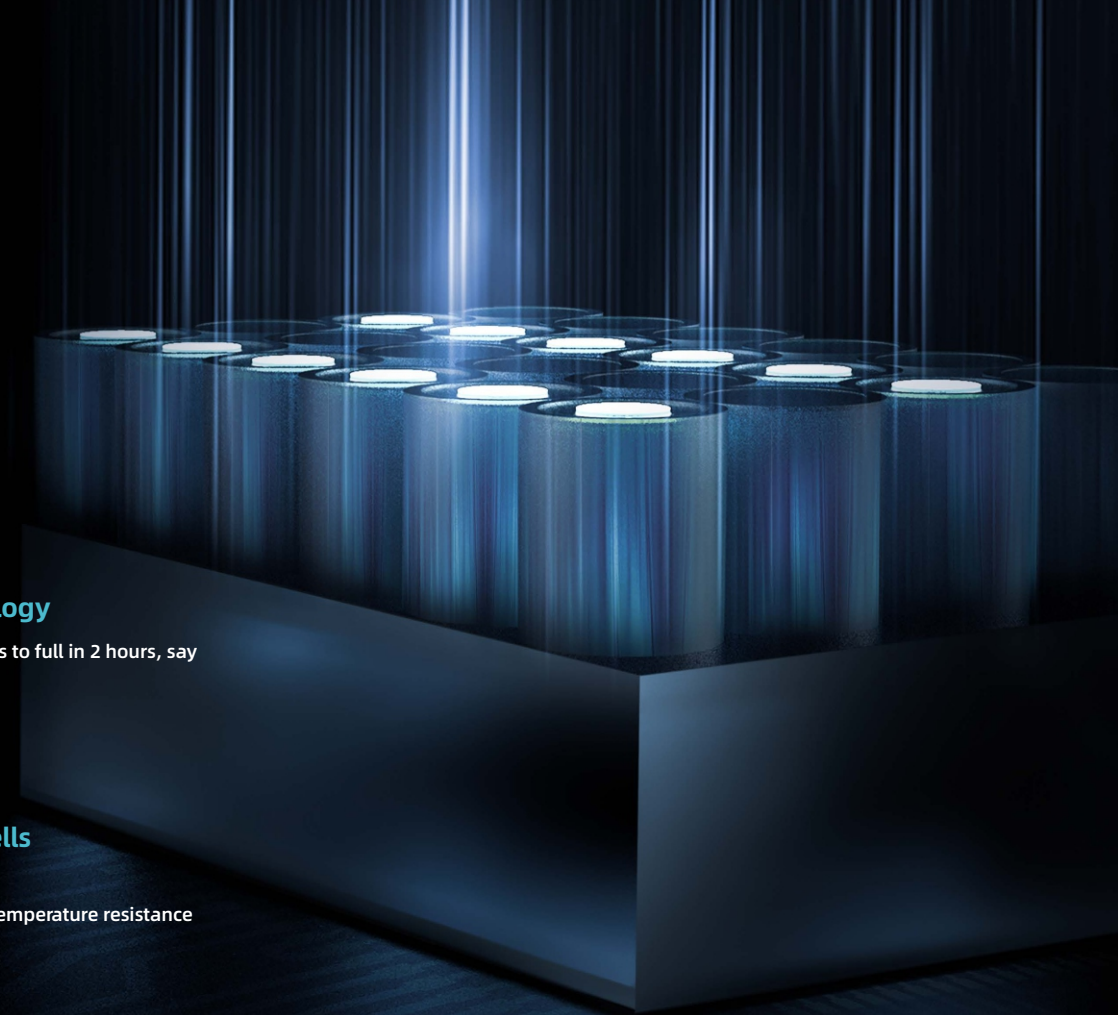
- ① Industry-leading parallel units technology. The voltage is unchanged and the power is superimposed, support the maximum number of 6 units in parallel
- ② Can use the series units function at the same time. Voltage superposition, capacity superposition, support the maximum number of 6 units in series
- ③ NEO 600W-5000W power station support multiple units simultaneously parallel/series function.

Super Fast Charging Technology

Bidirectional inverter technology, charges to full in 2 hours, say goodbye to bulky adapters

NEO Series Use LFP Safety Cells

The cycles life ≥ 3500 times
EV-grade battery, safe and stable, high temperature resistance

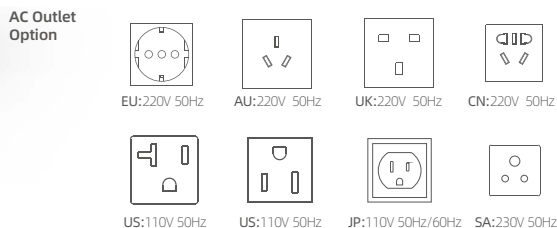


NEO 1500 Power Station



Design Patent No.
ZL202230112278.3

Basic Specifications	Model	NEO 1500
	Color	Optional: Star Grey, Fresh Green, Vibrant Yellow, Sapphire Blue
	Shell Material	ABS+PC
	Net Weight	16.2 kg
Battery	Dimension	40 x 21 x 30 cm
	Battery Type	LiFePO4
	Cycle Life	About 3000 cycles (remaining capacity ≥ 80%)
	Energy	Optional: 1382.4Wh/1152Wh
Input	Capacity	Optional: 432000mAh/336000mAh
	DC Input	-
	AC Input	220V (1000W Max)
	Solar Input	XT60 33~60V/20A (600W Max)
Output	AC Output Power	1500W(2000W Max) <small>[FAST CHARGE]</small> US: 60Hz JP: 50Hz/60Hz CN/EU/AU/UK: 50Hz
	AC Rated Output Voltage	US/JP: 100V-120V CN/EU/AU/UK: 220V-240V
	DC Output	USB-Ax4: 5V=3.6A / 9.0V = 2.5A / 12.0V = 2A (24W Max) When used simultaneously: 5V/2.4A USB Type-Cx2: 5V=3A / 9V = 3A / 15V = 3A / 20V = 3A/20V = 5A (Max 100W) Cigar Lighter Outputx1: 12V=8A (120W Max) Wireless Charger Outputx1: 5W/7.5W/10W
	Insurance	Global Liability Insurance

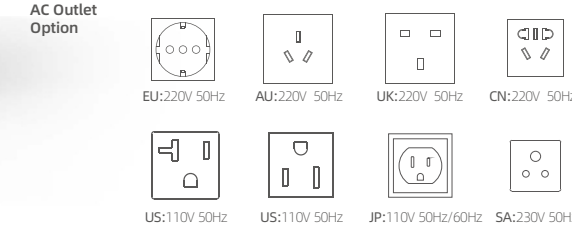


NEO 2000 Power Station



Design Patent No.
ZL202230112278.3

Basic Specifications	Model	NEO 2000
	Color	Optional: Star Grey, Fresh Green, Vibrant Yellow, Sapphire Blue
	Shell Material	ABS+PC
	Net Weight	25.7 kg
Battery	Dimension	47.6 x 34.5 x 26.0 cm
	Battery Type	LiFePO4
	Cycle Life	About 3000 cycles (remaining capacity ≥ 80%)
	Energy	2073.6Wh
Input	Capacity	648000mAh
	DC Input	-
	AC Input	220V (2400W Max)
	Solar Input	XT60 33~60V/20A (600W Max)
Output	AC Output Power	2000W (Max 2400W) <small>[FAST CHARGE]</small> US: 60Hz JP: 50Hz/60Hz CN/EU/AU/UK: 50Hz
	AC Rated Output Voltage	US/JP: 100V-120V CN/EU/AU/UK: 220V-240V
	DC Output	USB-Ax4: 5V=3.6A / 9.0V = 2.5A / 12.0V = 2A (24W Max) When used simultaneously: 5V/2.4A USB Type-Cx2: 5V=3A / 9V = 3A / 15V = 3A / 20V = 3A/20V = 5A (Max 100W) Cigar Lighter Outputx1: 12V=8A (120W Max) Wireless Charger Outputx1: 5W/7.5W/10W
	Insurance	Global Liability Insurance



NEO Lower Power Product

Technical Advantages



One-Piece GAIM Molding Process

Ergonomic hollow handle
Impressive elegant design



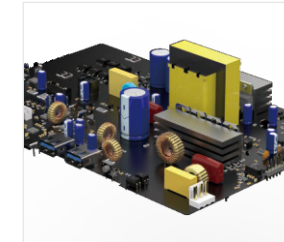
Super Air Diversion Vent

Ventilation is designed with the largest side area Effective cooling while taking into account the cool appearance



Spray-Free Material

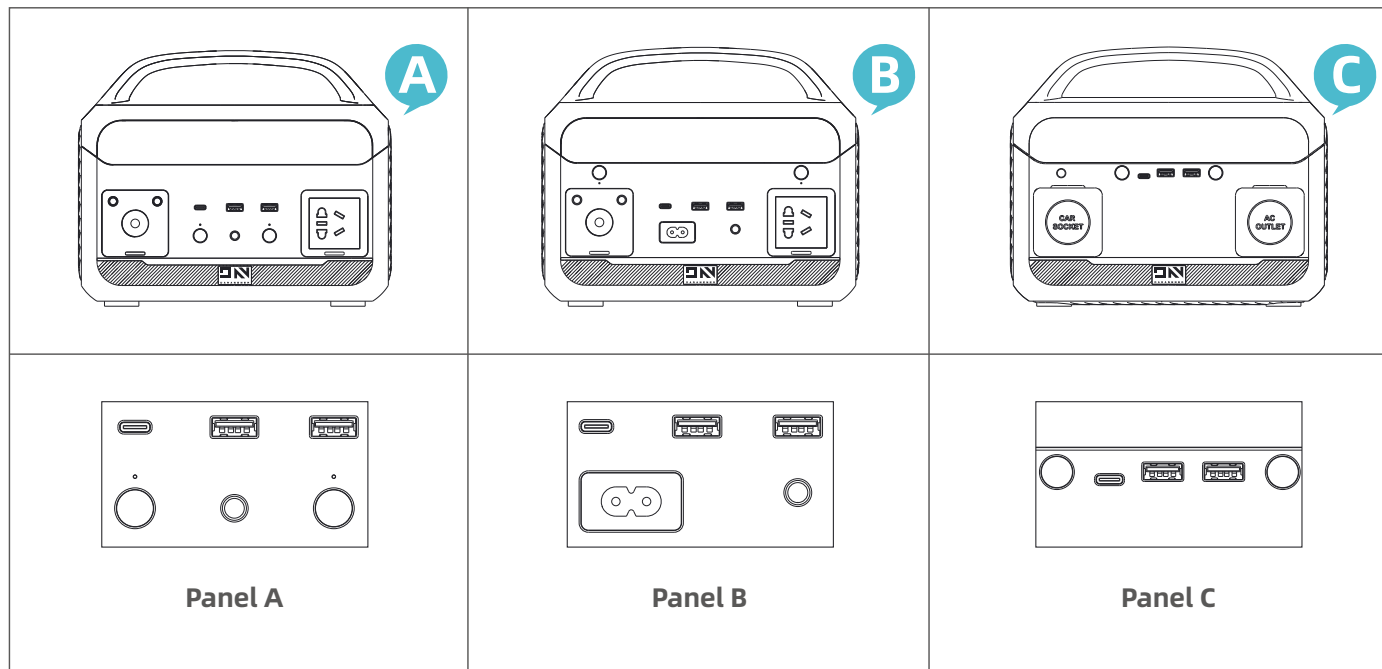
Using MIM process
Non-traditional spray paint, non-toxic and harmless, healthy and environmentally friendly



Advanced Integrated Motherboard

AC/DC/BMS 3 in 1 motherboard
Stable quality, simple assembly process, and high-cost performance

Panel Selection



NEO 300 Power Station



Design Patent No.
ZL202230181957.6

Basic Specifications	Model	NEO 300
	Color	Optional: Star Grey, Fresh Green, Vibrant Yellow, Sapphire Blue
	Shell Material	ABS+PC
	Net Weight	3.52 kg
	Dimension	25.5x20.8x16.8cm
Battery	Battery Type	LiFePO4
	Cycle Life	About 3000 cycles (remaining capacity ≥ 80%)
	Energy	Optional: 268.8Wh/336Wh/403.2Wh
	Capacity	Optional: 84000mAh/105000mAh/126000mAh
Input	DC Input	10-19V= 3.42A (65W Max)
	AC Input	-
	Solar Input	18V=5A /20V= 5A (100W Max)
Output	AC Output Power	300W (Max 600W) US: 60Hz JP: 50Hz/60Hz CN/EU/AU/UK: 50Hz
	AC Rated Output Voltage	US/JP: 100V-120V CN/EU/AU/UK: 220V-240V
	DC Output	USB-A1x1: 5V = 3A /9V= 2A /12V= 1.5A(18W Max) USB-A2x1: 5V = 3A (15W Max) USB Type-Cx1: 5V = 3A /9V= 3A /12V = 3A /15V = 3A /20V = 3A(60W Max) Cigar Lighter Outputx1: 12V = 8A (120W Max)
Insurance	Global Liability Insurance	



AC Outlet Option	EU:220V 50Hz	AU:220V 50Hz	UK:220V 50Hz	CN:220V 50Hz
	US:110V 50Hz	US:110V 50Hz	JP:110V 50Hz/60Hz	SA:230V 50Hz

NEO 600 Power Station



Design Patent No.
ZL202230181957.6

Basic Specifications	Model	NEO 600
	Color	Optional: Star Grey, Fresh Green, Vibrant Yellow, Sapphire Blue
	Shell Material	ABS+PC
	Net Weight	6.6 kg
	Dimension	30 x 18 x 21 cm
Battery	Battery Type	LiFePO4
	Cycle Life	About 3000 cycles (remaining capacity ≥ 80%)
	Energy	Optional: 307.2Wh/576Wh
	Capacity	Optional: 96000mAh/180000mAh
Input	DC Input	10-19V=3.42A (90W Max)
	AC Input	-
	Solar Input	18V=5A /20V= 5A (100W Max)
Output	AC Output Power	600W (1200W Max) US: 60Hz JP: 50Hz/60Hz CN/EU/AU/UK: 50Hz
	AC Rated Output Voltage	US/JP: 100V-120V CN/EU/AU/UK: 220V-240V
	DC Output	USB-A1x1: 5V = 3A /9V= 2A /12V= 1.5A(18W Max) USB-A2x1: 5V = 3A (15W Max) USB Type-Cx1: 5V = 3A /9V= 3A /12V = 3A /15V = 3A /20V = 3A(60W Max) Cigar Lighter Outputx1: 12V = 8A (120W Max)
Insurance	Global Liability Insurance	



AC Outlet Option	EU:220V 50Hz	AU:220V 50Hz	UK:220V 50Hz	CN:220V 50Hz
	US:110V 50Hz	US:110V 50Hz	JP:110V 50Hz/60Hz	SA:230V 50Hz

Package Rendering



Accessories

Image	Accessories	 NEO 300	 NEO 600	 NEO 1500	 NEO 2000
	USB-C to USB-C Cable	✓	✓	✓	✓
	Cigarette Lighter Charging Cable	✓	✓	✗	✗
	Mc4 to DC5521 Solar Charging Cable	✓	✓	✗	✗
	Mc4 to XT60 Solar Charging Cable	✗	✗	✓	✓
	AC Charging Cable	✗	✗	✓	✓
	AC Charging Adapter	✓	✗	✗	✗

SP solar panel



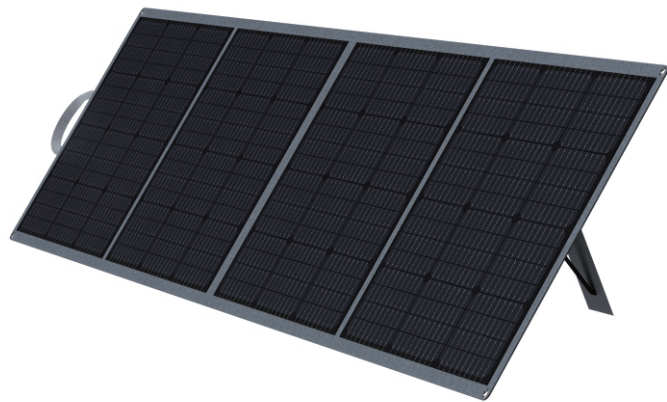
SP 300 solar panel



Basic Specifications

Model	WY300M-24-A
Peak Power Pm	300W
Open Circuit Voltage Voc	43.5V
Max. Power Voltage Vmp	36.3V
Max. Power Current Imp	8.26A
Short Circuit Current Lsc	8.68A
Solar Cells Efficiency	22.0%
Solar Panel Model&Number	75W/18.15V*4pcs
Folding Size	740*604*45mm
Deployment Size	2408*740*25mm
Net Weight / KG	9.2kg
Solar Cel	High-efficiency A-Level Monocrystalline Silicon Cells
Solar Panel Front Cover	Transparent ETFE Transparent Composite Material on the Surface of the Cell to Enhance Protection (Optional)
Solar Panel Backboard	Fiberglass Board (Optional)
Output Port	Standard USB Fast Charging Port (Peak: 5V*3A;9V2A;12V*1.5A)*1+ Type-C(PD Max 60W)(Peak: 5V*3A; 9V*3A;12V*3A;15V*3A;20V3A)*1 + Solar Panel Direct Outlet 14AWG*1.5m with Photovoltaic Connector Accessories: Extension Cable: 14AWG*1.5m (with Photovoltaic Connector to XT60 Male Connector) (Optional/Customized)
Solar Folding Handbag Material	Gray(Waterproof Style) (Support to Customized Color/Pattern, Support Silkscreen Imprint)
Rated Operating Temperature/Range	Rated Operating Temperature: 48±2°C Operating Temperature Range: -40°C- +85°C
Waterproof Grade	Ip54

SP 200 solar panel



Basic Specifications

Model	WY200M-24-A
Peak Power Pm	200W
Open Circuit Voltage Voc	48.0V
Max. Power Voltage Vmp	40.0V
Max. Power Current Imp	5.00A
Short Circuit Current Lsc	5.25A
Solar Cells Efficiency	22.0%
Solar Panel Model&Number	50W/20V*4pcs
Folding Size	550*568*45mm
Deployment Size	2220*568*25mm
Net Weight/KG	6.2kg
Solar Cel	High-efficiency A-Level Monocrystalline Silicon Cells
Solar Panel Front Cover	Transparent ETFE Transparent Composite Material on the Surface of the Cell to Enhance Protection (Optional)
Solar Panel Backboard	Fiber glass Board (Optional)
Output Port	Standard USB Fast Charging Port (Peak: 5V*3A;9V*2A;12V*1.5A)*1+ Type-C(PD Max 60W)(Peak: 5V*3A; 9V*3A;12V*3A;15V*3A;20V*3A)*1 + Solar Panel Direct Outlet 16AWG*1.5m with Photovoltaic Connector Accessories: Extension Cable: 16AWG*1.5m (with Photovoltaic Connector to XT60 Male Connector) (Optional/Customized)
Solar Folding Handbag Material	Gray(Waterproof Style) (Support to Customized Color/Pattern, Support Silkscreen Imprint)
Rated Operating Temperature/Range	Rated Operating Temperature: 48±2°C Operating Temperature Range: -40°C- +85°C
Waterproof Grade	Ip54

SP 100 solar panel



Basic Specifications

Model	WY100M-24-A
Peak Power Pm	100W
Open Circuit Voltage Voc	24.0V
Max. Power Voltage Vmp	20.0V
Max. Power Current Imp	5.00A
Short Circuit Current Lsc	5.25A
Solar Cells Efficiency	22.0%
Solar Panel Model&Number	50W/20V*2pcs
Folding Size	550*568*35mm
Deployment Size	1100*568*25mm
Net Weight/KG	3.2kg
Solar Cel	High-efficiency A-Level Monocrystalline Silicon Cells
Solar Panel Front Cover	Transparent ETFE Transparent Composite Material on the Surface of the Cell to Enhance Protection (Optional)
Solar Panel Backboard	Fiber glass Board (Optional)
Output Port	Standard USB Fast Charging Port (Peak: 5V*3A;9V*2A;12V*1.5A)*1+ Type-C(PD Max 60W)(Peak: 5V*3A; 9V*3A;12V*3A;15V*3A;20V*3A)*1 + Solar Panel Direct Outlet 16AWG*1.5m with Photovoltaic Connector Accessories: Extension Cable: 16AWG*1.5m (with Photovoltaic Connector to DC 5521 Male Connector) (Optional/Customized)
Solar Folding Handbag Material	Gray(Waterproof Style) (Support to Customized Color/Pattern, Support Silkscreen Imprint)
Rated Operating Temperature/Range	Rated Operating Temperature: 48±2°C Operating Temperature Range: -40°C- +85°C
Waterproof Grade	Ip54