Sungold®

HI-POWER Series

Portable Solar Solution

TÜV NORD
TÜV NORD CERT GmbH
Type Tested

Customer-centric: Lighter · Stronger · More Reliable



What problems does hi-power solve?



1. **Reliable clean power any where**

   Outdoor, RV, emergency, home backup.

2. **30% lighter**

   30% lighter than typical peers for easier carry, lower shipping and install costs.

3. **Reliable in extreme environments**

   IP67–IP68 protection, IEC 63163 certification, and a 5-year warranty.

4. **Scalable & flexible**

   Modular cascading with customizable power/voltage, covering multiple power ranges from 200W to 440W.

Hi-Power: Efficiency Meets Durability











Pain Point vs Hi-Power Solution

RV & Camping

powering fridge, lighting, laptops, coffee machines



Remote Work & Field Ops

mobile office, temporary sites, field operations



Emergency & Disaster Relief

fast deployment for critical power ,outdoor projects



Home Backup / Off-Grid

supplementary storage & off-grid solutions



Pain Point VS Hi-Power Solution



✕ Pain Point

- Heavy weight, hard to carry, complex installation



✓ Sungold Hi-Power

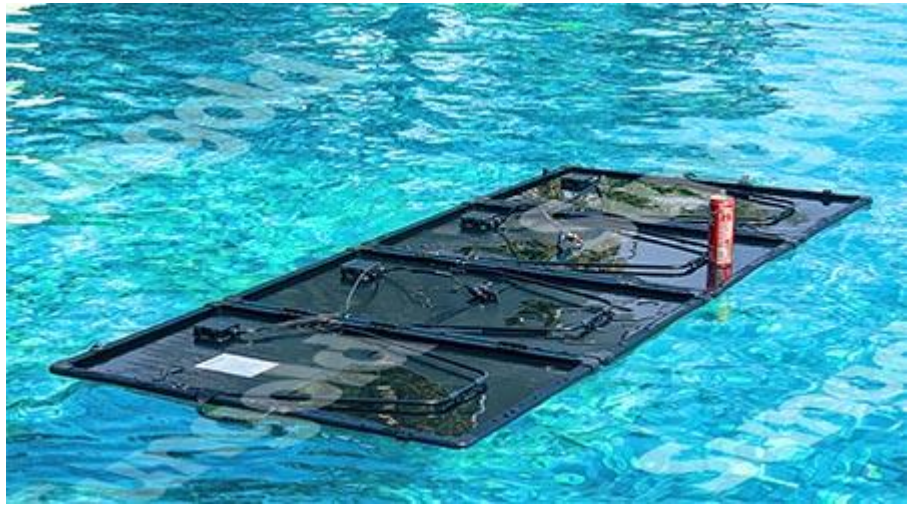
- 30% lighter with patented foldable design. Easy one-person setup, lower transport and installation costs.

Pain Point VS Hi-Power Solution



✕ Pain Point

- Rain, dust, sand risk



✓ Sungold Hi-Power

- IP67–IP68 certified, works after 30 min underwater. TÜV/IEC certified for extreme conditions. Reliable long-term outdoor use.

Pain Point VS Hi-Power Solution



✕ Pain Point

- Low efficiency, slow charging, weak-light loss



✓ Sungold Hi-Power

- Up to 22.7% efficiency with TOPCON/SunPower /BC cells. Multi-busbar design ensures stable output even in weak light. Faster charging for 1–1.25kWh storage.

Pain Point VS Hi-Power Solution



✕ Pain Point

- Fragility & short lifespan



✓ Sungold Hi-Power

- Reinforced composite stack + Patented Composite Material Design; vibration/impact tested; 5-year warranty.

Pain Point VS Hi-Power Solution



✕ Pain Point

- Complicated selection, hard to expand, mismatch with storage



✓ Sungold Hi-Power

- 200–440W range, 2/3/4 fold options. Modular series/parallel expansion, customizable connectors. Easy to match with storage & inverters.

Real-World Scenarios, Superior Performance

01

Your Outdoor Power Hub

Pairs perfectly with portable power stations to rapidly charge and run multiple devices simultaneously, from drones to coffee makers.

02

All-Weather Reliability

Delivers stable, efficient power even on cloudy days or during dawn and dusk, ensuring a consistent energy supply when you need it most.

03

Scalable Power for Demanding Needs

Easily connect multiple panels to power heavy-duty appliances like refrigerators or cooktops, building a system that adapts to your needs.



Hi-Power: Power， Perfected



Hi-Power:

Engineered for Excellence. Built for Reliability.

Engineered for excellence, Hi-Power combines refined aesthetics with rugged, all-weather durability. Its fully customizable power and connection options ensure perfect system integration, while the modular design allows for effortless setup and expansion. It's a truly reliable and worry-free energy solution.

Technical Highlights: Protection and Certification

Hi-power is one of the world's first to be certified under the consumer-grade photovoltaic standard, **IEC 63163**. Fully compliant with international CE, RoHS, and REACH standards, it offers the highest level of safety and quality assurance—making it your most reliable choice for outdoor and emergency power.



Hi-Power: Technical Specificatio

Model	HP-2*100W	HP-3*100W	HP-4*100W	HP-2*110W	HP-3*110W	HP-4*110W	HP-M2-2*100W	HP-M2-4*100W	HP-X-4*100W
Open Circuit Voltage	22.3	22.3	44.8	24.5	24.5	48.9	36.6	36.6	38.7
Operating Voltage	19.1	19.1	38.3	20.9	20.9	41.8	31.3	31.3	33.1
Short Circuit Current	10.99	16.49	10.97	11.05	16.58	11.05	6.71	13.42	12.69
Operating Current	10.48	15.71	10.45	10.53	15.79	10.53	6.39	12.78	12.09
Max System Voltage	100VDC(IEC)	100VDC(IEC)	200VDC(IEC)	100VDC(IEC)	100VDC(IEC)	200VDC(IEC)	100VDC（IEC）	200VDC(IEC)	100VDC(IEC)
Cell Efficiency	＞22.8%	＞22.8%	＞22.8%	＞22.8%	＞22.8%	＞22.8%	22.7%	22.7%	22.7%
Weight	6.15kg	9.5kg	12.4kg	6.4kg	10kg	13.2kg	6.11kg	12.34kg	10.5kg
Folded Size	987*547*50 mm	987*547*70 mm	987*547*90 mm	1072*547*50 mm	1072*547*70 mm	1072*547*90 mm	910*590*90 mm	2362*910*25 mm	970*604*80 mm
Expand Size	1095*987*25 mm	1640*987*25 mm	2188*987*25 mm	1095*1072*25 mm	1640*1072*25 mm	2188*1072*25 mm	1180*910*25 mm	2362*910*25 mm	2551*970*18 mm

Hi-Power: Efficiency and electrical design highlights.



Power and voltage customization

Customizable power and voltage for seamless inverter and controller compatibility.

Interface and Cable Customization

Flexible interface and cable options with DC terminals and adapters for greater versatility.

Modular Series Connection

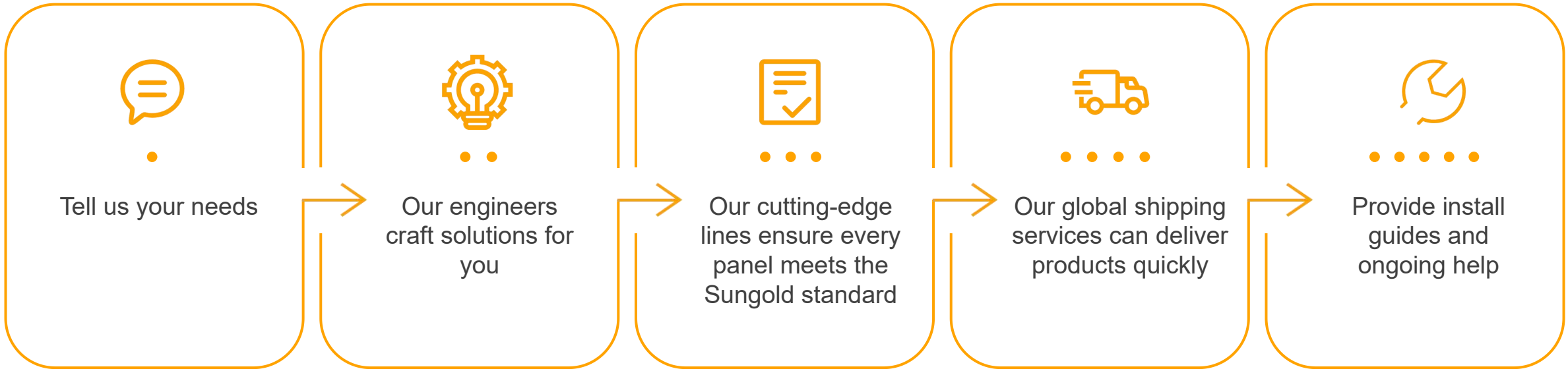
Modular series connection for higher voltage, larger loads, and scalable flexibility.

Appearance and Accessory Customization

Custom appearance and accessories—bags, stands, and supports—to enhance user experience.

End-to-End Off-Grid Solar Solutions

Sungold has a professional service team that can design off-grid solar solutions tailored to your business needs, from sample testing production and transportation to installation and maintenance, providing one-stop service for your project requirements.



Solar Customizer for SMEs

Energy Tailored, Future Empowered



Sungold is committed to becoming a specialized expert in energy brand customization for small and medium enterprises, focusing on delivering tailored solar energy branding solutions.

Leveraging the advantages of flexible and efficient small-batch customization services, we empower businesses to create distinctive, independent brand identities.

Energy Tailored, Future Empowered

sales@Sungoldsolar.cn

www.sungoldsolar.com

