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ATTITU

YOUR TRUSTWORTHY SOLAR INVERTER AND STORAGE ODM PARTNER





Parent Company

A leader in Power Electronics and Renewable Energy Technology For over two decades, APD Group has been cultivating its business in the power industry, upholding core values of R&D innovation and expanding its business horizon with the goal of becoming a leader in power electronics and renewable energy.

APD has two business groups: Power Systems and Renewable Energy, focusing on power supply and PV inverter products respectively. **Senergy**

A leading ODM service supplier of PV inverters and energy storage solutions Shenzhen Senergy Technology Co., Ltd., a wholly-owned subsidiary of Asian Power Devices Inc. (APD), is a high-tech solar energy company that supports customers in leading their next-generation PV inverters, from end-to-end design, research and development, to manufacturing and services – all under one roof.

With over 35 years of experience in power electronic products management and nearly 20 years of expertise in PV inverter development and manufacturing, Senergy provides flexible and diverse cooperation models to support rapid customized systems and help customers succeed. Our wide portfolio of products ranges from on-grid inverters to hybrid models, meeting the requirements of local, national and international standards.

OUR COMPETITIVE ADVANTAGES

R&D

FOOTPRINT MANUFACTURING

CAPACITY

10_{GW}

• 1 Innovation Center

Per Year

Taipei

Shenzhen • 2 R&D Centers • 2 Factories

• 2 Factories

- Pioneers and practitioners of Chinese string inverter technology
- Dual research centers in Taipei and Shenzhen
- Integrated Product Development (IPD) process
- DFMEA & PFMEA-guaranteed product reliability

QUALITY CONTROL

- · Comprehensive QC and GP system throughout product development and production processes
- Endorsed by the leading industry players

(Ç MANUFACTURING

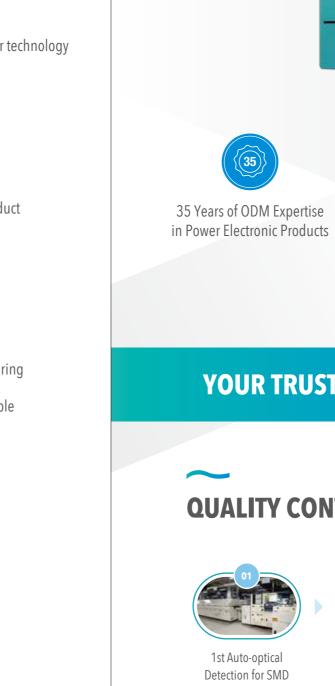
- Dual manufacturing bases in Taipei and Shenzhen
- Full industry process ranging from PCBA manufacturing to burn-in tests
- Highly-automated production equipment and flexible production line













Flexible and Diverse ODM **Cooperation Process**

YOUR TRUSTWORTHY ODM PARTNER

QUALITY CONTROL IN MANUFACTURING PROCESS



2nd Optical Detection for PCBA





Automated Hi-Pot & Function Test

Burn in for 3-8h in 40°C



Rapid Customization Management System



Customized Product Design and Accessories







Functional Test For PCBA



2nd Function Test after BI



Conformal Coating



Tightness Test for IP65 & Communication Test



SPLIT PHASE HYBRID INVERTER

SE 5/6/7.6/10KHB-UL

ENERGY STORAGE INVERTER



MAXIMIZE PV INPUT POWER

- Up to 200% oversizing allowed with 3 MPPTs
- Support high power module with 30A PV input current
- Support AC coupled solar input
- Integrated arc fault circuit interrupter (AFCI) and Rapid Shutdown



FLEXIBLE BATTERY CONFIGURATION

- Built-in DC Breaker for safety and reliability
- Support 40-64V Lithium or Lead-acid battery
- Maximum battery charge/discharge current of 210A



VERSATILE APPLICATIONS

- Stackable up to 9 units
- Standby generator connection for whole-home back up
- Four application modes, mixed with time control
- Remote configuration and upgrade



STABLE OUTPUT POWER

- Continuous 110% of nominal AC power
- Support 120/240/208V connections
- Seamless backup transition (<10ms)

7,500W	98.0 94.5		
7,500W			
7,500W	94.5	5%	
7,500W			
7,500W			
	9,000W	12,000W	15,000W
	600		
	90		
	70V-5		
2014			0.1/0.0.1
30A/			2A/22A
40A/30A		40A/3	0A/30A
4 (2/2) 6 (2		6 (2	/2/2)
2			3
	i de la companya de l		
	Lithium-ion	/Lead-acid	
2104/1204			2104/2104
			210A/210A
10,000W/5,000W	10,000W/6,000W	10,000W/7,600W	11,400W/11,400W
5,000W	6,000W	7,600W	10,000W
		,	11,400VA
-	-		11,400W
			41.7A/47.5A
20.5A			47.5A
120V/240V (Split phase) / 208V (2/3 phase)			
45Hz-55Hz/55Hz-65Hz (Adjustable)			
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F 000W	(000)//	7 (00)4/	10.00014/
			10,000W
			41.7A/47.5A
10,000VA	12,000VA	15,200VA	20,000VA
	120V/240V (Split phas	e) / 208V (2/3 phase)	
	< 10	lms	
< 3% @100% R Load			
1	<376100	// IT LOUG	
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Yes			
DC Type II, AC Type III			
Yes			
Yes			
Yes			
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	0000	2	
IP65/NEMA 3R			
-25°C~60°C (>45°C derating)			
0~100%			
Fan Cooling			
5			
	Termi	nals	
	Wireless & APP + L	ED, LCD (optional)	
PC/19			/I AN
1 1/340		metery, no-too, optional. With	1 64 31 8
	111 4744 /201 02	2.2/111.1/000	
UL1741SB, IEEE1547: 2018, HECO SRD 2.0			
FCC Part 15 Class B			
5 Years			
	210A/130A 10,000W/5,000W 5,500W 5,500W 20.9A/24.1A 26.5A 5,000W 20.9A/24.1A 10,000VA	Lithium-ion 48 40V- 210A/130A 10,000W/5,000W 5,500VA 5,500VA 5,500W 20.9A/24.1A 26.5A 26.5A 26.5A 26.5A 20.99@rated power (Ad 20.9A/24.1A 26.5A 31.8A 26.5A 31.8A 26.5A 31.8A 26.5A 31.8A 26.5A 31.8A 20.99@rated power (Ad 20.9A/24.1A 25A/28.9A 10,000VA 20.9A/24.1A 25A/28.9A 10,000VA 20.9A/24.1A 25A/28.9A 10,000VA 20.9A/24.1A 25A/28.9A 20.9B/24.1A 25A/28.9A 20.9B/24.1A 25A/28.9A 20.9P/24.1A 25A/28.9A 20.9P/24.1A 25A/28.9A 20.9P/24.1A 25A/28.9A 20.9P/24.1A 25A/28.9A 20.9P/24.1A 25A/28.9A 20.9P/24.1A 25A/28.9A 20.9P/24.1A 25A/28.9A 20.9P/24.1A 25A/28.9A 20.0V 20.0V 20.9P/24.1A 25A/28.9A 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.9V 20.9V 20.0V 20.9V 20.9V 20.9V 20.9V 20.9V 20.9V 20.9V 20.9V 20.9V 20.9V 20.9V 20.9V 20.9V 20.9V 20.9V 20.9V 20.9V 20.9V 20.9V 20.9V 20.9V 20.9V 20.9V 20.9V 20.9V 20.9V 20.9V 20.9V 20.9V 20.9V 20.9V 20.9V 20.9V 20.9V 20.9V 20.9V 20.9V 20.9V 20.9V 20.9V 20.9V 20.9V 20.9V 20.9V 20.9V 20.9V 20.0V 20.0V 20.9V 20.0V 20.9V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V 20.0V	Lithium Yorked-aid 48V 40V-64V 210A/130A 10,000W/5,000W 5,000W 5,000W 5,500W 6,000W 5,500W 6,600W 7,600W 7,600W 7,600W 7,600W 20,9A/24.1A 26,5A 120V/240V (Split phase)/ 208V (23 phase) 50H2/60H2 45H2-55H2/5H2 6H2 (Adjustable) > 0.99 @rated power (Adjustable 0.8 LD - 0.8 LG) < 3% (Rated Power) 5,000W 20,9A/24.1A 12,000VA 10,000VA 12,000VA 12,000VA 10,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA 12,000VA

Remarks: • The range of output voltage and frequency may vary depending on different grid codes. • Specifications are subject to change without advanced noticed.