



Solar Power Inverter



HIGH PERFORMANCE

- Top LFP cells, 8000 cycles, 10 years warranty @ 80 %
- 200% backup overload capacity



HIGH RELIABILITY

- ISO 26262 System safety (EV level) + 5 level safety protection
- Diesel Generator available + UPS redundant switch



HIGH INTELLIGENCE

- All in One Design Plug and Play installation
- DC / AC couple + On grid back up function

OFFICE IN CHINA

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AUSTRALIAN R&D AND CUSTOMER SERVICE CENTER

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Battery Input	SNH3600-7	SNH5000-7	SNR5000-7
Battery Type		Li-Ion / Lead-acid	
Nominal Battery Voltage		96V	
Battery Voltage Range		75~400V	
Max. Charging Current	45A	65A	65A
Max. Discharging Current	45A	65A	65A
PV Input			
Max. PV Input Power	7.36kW	10kW	-
Max. PV Input Voltage	580V	580V	-
MPPT Range	100~550V	100~550V	-
Full Load MPPT Range	125~550V	180~550V	-
Startup Voltage	100V	100V	-
Max. Input Current	15A/15A	15A/15A	-
Max. Short Circuit Current	18.75A/18.75A	18.75A/18.75A	-
MPP Trackers	2	2	-
Strings Per MPP Trackers	1/1	1/1	-
Grid Port			
Rated Output Power	3.68kVA	5kVA/4.6kVA(DE)	5kVA/4.6kVA(DE)
Max. Input Power	7.36kVA	10kVA	10kVA
Rated Grid Voltage		230Vac	
Grid Voltage Range		180~270Vac	
Rated Grid Frequency		50/60Hz	
Power Factor		-0.8~+0.8	
THDi		<3%	
Backup Port			
Max. Backup Power	7.36kVA/7.36kW	10kVA/10kW	10kVA/10kW
Rated Backup Voltage		230Vac	
Rated Backup Frequency		50/60Hz	
THDv		<3% (Linear Load) / <5% (Non-linear Load)	
DCV		<100mV	
Crest Ratio		3:1	
Transfer Time		<10ms	
Efficiency			
Max. Efficiency	97.3%	97.3%	-
Europe Efficiency	96.2%	96.2%	-
MPPT Efficiency	99.9%	99.9%	-
Round Trip Efficiency		90%	
System			
Operating Temperature		-20~60°C	
Relative Humidity		0~95% (No Condensing)	
Operating Altitude		≤4000m	
Cooling		Nature Convection	
Noise		<30dB	
Topology		Transformerless	
Dimensions (W*H*D)		590x406x205mm	
Protection Degree		IP65	
Weight		20kg	
Warranty		10 years	
HMI & Comm.			
Communication with BMS		CAN / RS-485	
Load Monitoring		Meter / CT / Backup box	
External Communication		RS-485 / WIFI / 4G / Ethernet	
User Interface		LED / LCD	
Certificate			
Grid Regulation		CEI 0-21, VDE 4105-AR-N, VDE 0126-1-1, EN 50438, G99, G100, AS4777.2 NRS 097, EN 50549, C10/C11, UNE, UTE, NCRfG/PTPIREE	
Safety Regulation		IEC 62109-1&2: IEC 62477	
EMC		EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4	

Note: Specifications are subject to change without advance notice.

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