



Product HIGHLIGHT



Lightweight & Easy to Install: Ultra-thin, lightweight design for simple installation and space savings.



Efficient Output: Dual MPPT tracking supports up to 18A current input, with UPS-grade 0ms switching for uninterrupted power supply.



Smart Expansion: Supports multiple intelligent operating modes, including peak shaving/valley filling and 8×24-hour time-of-use scheduling; integrates AI energy management compatible with generators, heat pumps, and smart loads, with up to 10 units parallel-expandable for on/off-grid systems.



Hybrid Inverter

Solar / Hybrid Inverter - EU/CA

The series products provide hybrid inverter for home use and pure solar inverter for commercial or industrial needs.

To use green energy for solar power, the solar inverter is a critical equipment in solar power system. It can convert the direct current generated by solar modules into alternating current for daily power use. If we use our energy storage with inverter, it can storage extra solar power for night use or heavy power needs.

Hybrid Inverter



Series	4.6 L	6 L
Battery		
Battery type	Li-ion/Lead-acid	
Battery voltage range	40-60 V	
Max. charging/discharging current	115 A / 115 A	135 A / 135 A
Max. charging/discharging power	4600 W / 4850 W	6000 W / 6300 W
Charging strategy for Li-ion battery	Self-adaption to BMS	
Charging curve	3 Stages/Equalization	
External temperature sensor	Optional	
Communication	CAN	
PV Input		
Recommended max. PV power	9200 W	12000 W
Max. input voltage	550 V	
Rated voltage	360 V	
Start-up voltage	100 V	
MPPT voltage range	90 - 500 V	
Max. input current	18 /18 A	
Max. short circuit current	27 /27 A	
MPPT number/Max. input strings number	2 / 2	
AC Input and Output (On-grid)		
Rated output power	4600 W	6000 W
Max. output apparent power	4600 VA	6600 VA
Max. continuous AC bypass current	50 A	
Grid form	L / N / PE	
Rated AC output voltage/Range	220 V / 154 - 264 , 230 V / 161 - 276 , 240 V / 168 - 288	
Max. output current	20.9 A	30 A
Power factor	>0.99 (0.8 leading-0.8 lagging)	
AC Output (Backup)		
Rated output power	4600 W	6000 W
Max. output apparent power	9200 VA , 10s	12000 VA , 10s
Back-up switch time	0 ms	
Grid form	L / N / PE	
Rated output voltage	220 V / 230 V / 240 V	
Rated output frequency	50 Hz / 60 Hz	
Max. continuous output current	20.9 A	27.3 A
THDv (@linear load)	<3%	

Hybrid Inverter



Efficiency	
MPPT efficiency	99.9 %
Max. efficiency	97.7 %
EU efficiency	97.0 %
Protection	
Anti-islanding protection	Integrated
PV string input reverse polarity protection	Integrated
Insulation resistor detection	Integrated
Residual current monitoring unit	Integrated
AC overcurrent protection	Integrated
AC short circuit protection	Integrated
AC overvoltage and undervoltage protection	Integrated
Surge protection	DC Type II / AC Type II
Mechanical	
Dimensions (W × H × D)	506 × 495 × 99 mm
Weight	17 kg
Mounting	Wall mounted
Operating temperature	-25°C to +65°C (> 45°C derating)
Relative humidity	0-95%, no condensation
Cooling	Natural convection
Topology (Solar/Battery)	Transformerless/High-frequency isolation
Altitude	≤ 4000 m
Protection degree	IP66
Noise	< 35 dB
User interface	LED, App
Digital input/output	DRM, 2 × DI, 2 × DO
Communication	RS485, Wi-Fi / Ethernet (optional)
Certifications and Standards	
Grid connection standard	G98, G99, G100, EN 50549-1/-10, NF EN 50549-1/-10, CEI 0-21, PEA, MEA, IEC 62116, IEC 61727, IEC 60068, IEC 61683, DEWA
Safety/EMC standard	IEC 62109-1/-2, EN 61000-6-1/-2/-3/-4

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