



Product

HIGHLIGHT



Efficient Power Generation: A 45V ultra-low startup voltage paired with 3 MPPT trackers delivers up to 200% EPS peak power, with switching time under 10ms for seamless, uninterrupted transitions.



Robust Protection: Features smart arc-fault circuit interruption (AFCI), a NEMA 4X/IP66-rated enclosure, and a built-in Type II surge protection device for all-around system safety.



Whole-Home Compatibility: Supports battery-free super backup and whole-home backup solutions, with dual battery ports and split-phase EPS output; compatible with generators to meet diverse application needs.



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

PV Input		
Max. recommended PV array power	15,000 Wp	18,000 Wp
Rated / Max. PV input voltage	390 d.c. V / 500 d.c. V	
MPPT voltage range	35~ 490 d.c. V	
Full load MPPT voltage range	200 ~ 460 d.c. V	235 ~ 460 d.c. V
Start-up voltage	45 d.c. V	
No. of MPP trackers / strings per MPP tracker	3 (1 / 1 / 1)	
Max. input current per MPPT	18 d.c. A	
Max. input short circuit current per MPPT	22 d.c. A	
AC Input & Output (on grid)		
Rated output power	10,000 W	12,000 W
Rated output current	41.7 a.c. A @ 120 a.c. V 39.4 a.c. A @ 127 a.c. V	50.0 a.c. A @ 120 a.c. V 47.3 a.c. A @ 127 a.c. V
Max. output apparent power	10,000 VA	12,000 VA
Max. output continuous current	42.5 A	51 A
Rated AC voltage	2L/ N / PE, 120 / 240 a.c. V ; 2L/ N / PE, 127 / 220 a.c. V	
Max. AC input apparent power	19,000 VA	
Max. AC input current	75 a.c. A	
Rated AC frequency	50 / 60 Hz	
Adjustable power factor range	~ 1 (0.8 lagging to 0.8 leading)	
THDi (rated power)	< 3%	
Battery		
Battery type / No. of battery ports	LFP / 2	
Battery voltage range	100 ~ 480 d.c. V	
Max. charge / discharge power	10,000 W / 10,300 W	12,000 W / 12,300 W
Max. charge / discharge current	60 (30x2) / 60 (30x2)d.c.A	
Efficiency		
Max. efficiency	96.6%	
Environment Limit		
Protection	NEMA 4X / IP66	
Operating temperature	-35 ~ 60°C (> 45°C derating)	
Operating altitude	≤ 3000 m	
Relative humidity	4 ~ 100% RH(condensing)	
Storage temperature	-40 ~ 70°C	
Overvoltage category	DC: II, AC: III	
Mechanical		
Dimensions (W × H × D)	718 × 415 × 210 mm	
Weight	33 kg	
Cooling	Smart air cooling	
Communication interfaces	RS485, WIFI, DI, DO, CAN	
Topology	Non-isolated	
Certifications	IEC 62109, IEC 61727, UL 1741, IEC63027, Inmetro	
Protection		
Protections	Over / under voltage protection, DC isolation protection, DC reverse-polarity protection, Grid monitoring, DC injection monitoring, Back feed current monitoring, Residual current detection, Over temperature protection, AC overcurrent protection, AC short-circuit protection, Anti-islanding protection	
Surge protection	DC: Type II, AC: Type II	
Arc-fault circuit interrupter (AFCI)	Yes	

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