

UHC Series 15~20KW Three Phase Hybrid Inverter

UHC-15~20KT suit small commercial applications. Hybrid and AC-coupled solution provide flexible options for both new and retrofit systems, with the feature of Max. 10 units inverter in parallel, offering a solution for small commercial project.

All of them ensure the most efficient use of solar energy locally, increase self-consumption and grid independence, reduce your electricity bills.



Leading Technology

- Max. 15A PV input current per string
- Less than 10ms UPS-level switching
- Max. 40A battery charge/discharge current



High Reliability

- IP65 protection degree
- Compact and elegant design with integrated diecasting technology
- Long-term efficient operation with advanced heat dissipation design



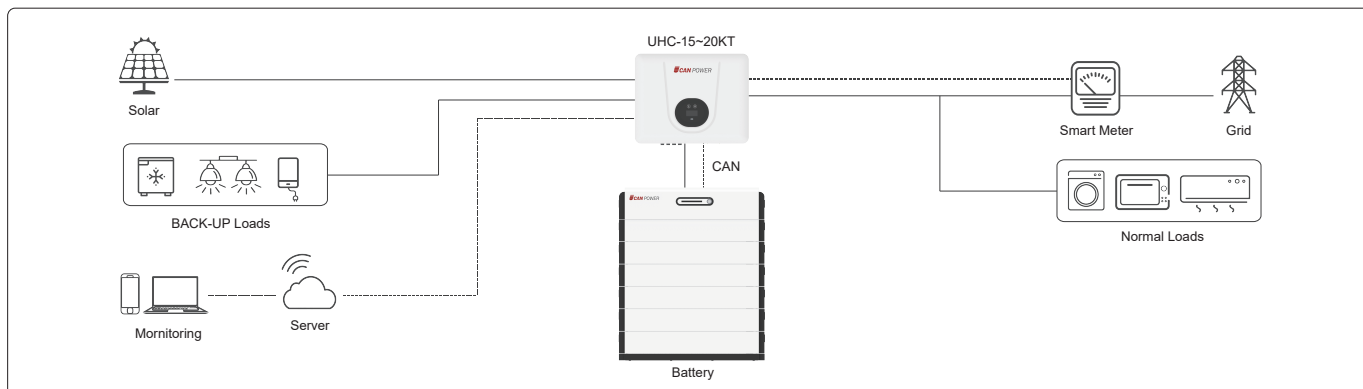
High Performance

- Up to 110% unbalanced load
- Max. 200% back-up output overloading @60s
- Parallel operation with max. 10 units



User-Friendly

- Easy installation and O&M with horizontal design and quick plug terminals
- Easy data check via both OLED display and App
- Easy wifi configuration via APP



Model	UHC-15KT	UHC-20KT
PV Input Data		
Max.PV power	22500W	30000W
Max. DC voltage	1000V	
Start-up voltage	135V	
MPPT voltage range	200~950V	
Rated DC voltage	620V	
No. of MPP trackers	2	
No. of string per MPP tracker	2/2	
Max. input current	30A/30A	
Max. short current	40A/40A	
Battery Input Data		
Battery type	Li-Ion(LFP)	
Battery voltage range	135~750V	
Max. charge power	15000W	20000W
Max. charge/discharge current	40A/40A	
Communication	CAN	
AC Output Data (On-grid)		
Rated AC power	15000W	20000W
Max. AC output to grid	16500VA	22000VA
Max. AC power from grid	30000VA	30000VA
Max. AC current output to grid	25A	33.5A
Max. AC current from grid	43.5A	43.5A
Rated grid voltage	3/N/PE, 220/380V, 230/400V, 240/415V	
Grid voltage range	184~276V	
Rated grid frequency	50/60Hz	
Output power factor	~1(0.8 leading to 0.8 lagging)	
Output THDi (@Rated output)	<3%	
AC Output Data (Back-up)		
Rated output power	15000W	20000W
Max. output power	16500VA	22000VA
Peak output power, Duration	25000VA, 60s	25000VA, 60s
Max. output current	25A	33.5A
Rated output voltage	3/N/PE, 220/380V, 230/400V, 240/415V	
Rated output frequency	50/60Hz	
Output THDv (@Liner load)	<3%	
Switch time	<10ms	
Efficiency		
Max. efficiency	98.4%	
Euro efficiency	97.5%	
Protection		
DC switch	Yes	
Protection	PV reverse polarity protection / Output over current protection / Output over voltage protection / Anti-islanding protection / Residual current detection / Insulation resistor detection / Battery reverse protection	
Surge protection level	PV: Type II, AC:Type III	
General Data		
Dimension	550×435×211mm	
Weight	31kg	
Inverter topology	Non-isolated	
Standby self consumption	<15W	
Operating temperature range	-30℃~60℃	
Relative humidity	0~100%	
Operating altitude	<3000m	
Cooling	Fan	
Protection degree	IP65	
Display	LCD&LED	
Communication	RS485,Optional:WiFi/LAN	
Standard warranty	Standard 5 years	
Certificates		
EMC	EN61000	
Safety	IEC62109-1, IEC62109-2	
Grid	EN50549-1, TOR Generator Type A, VDE-AR-N-4105, CEI 0-21, UNE 206006, UNE206 007-1	

Information may be subject to change without notice during product improving.