Ucanpower, Bring Energy to Life!

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

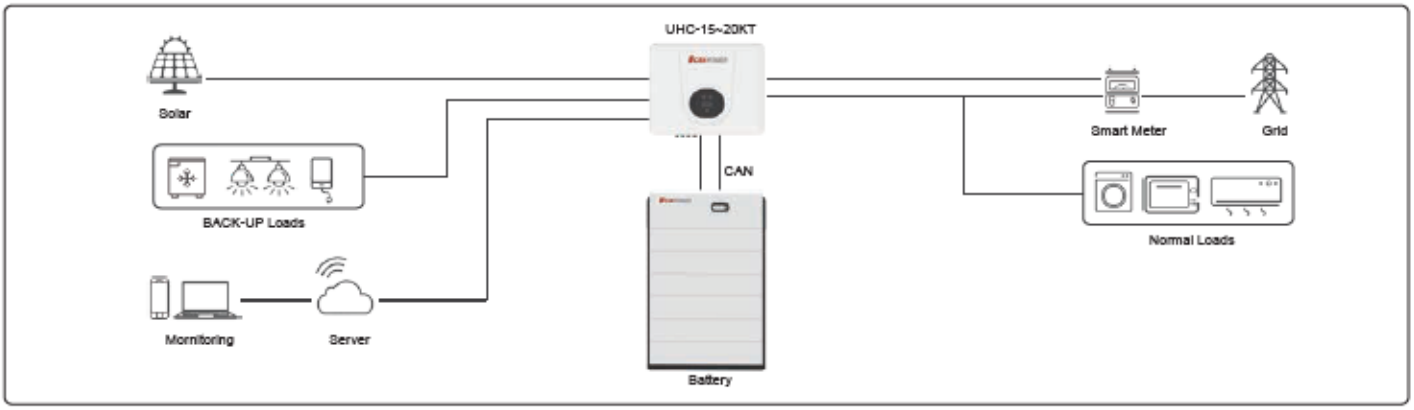
- IP65 protection degree
- Compact and elegant design with integrated diecasting technology
- Long-term efficient operation with advanced heat dissipation design

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



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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
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	550×435×210mm	
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.

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