

UHC-5~10KS-US Split Phase Hybrid Inverter



UHC-5~10KS-US is split phase hybrid inverter, which suits residential application scenarios, it has multiple working modes, which ensure the most efficient use of solar energy at home, increase self-consumption and grid independence, reduce your electricity bills.



Leading Technology

- Four independent MPPT design
- 98.2% max. efficiency



User-Friendly

- Support remote firmware upgrade
- Real-time monitoring and parameter control through APP



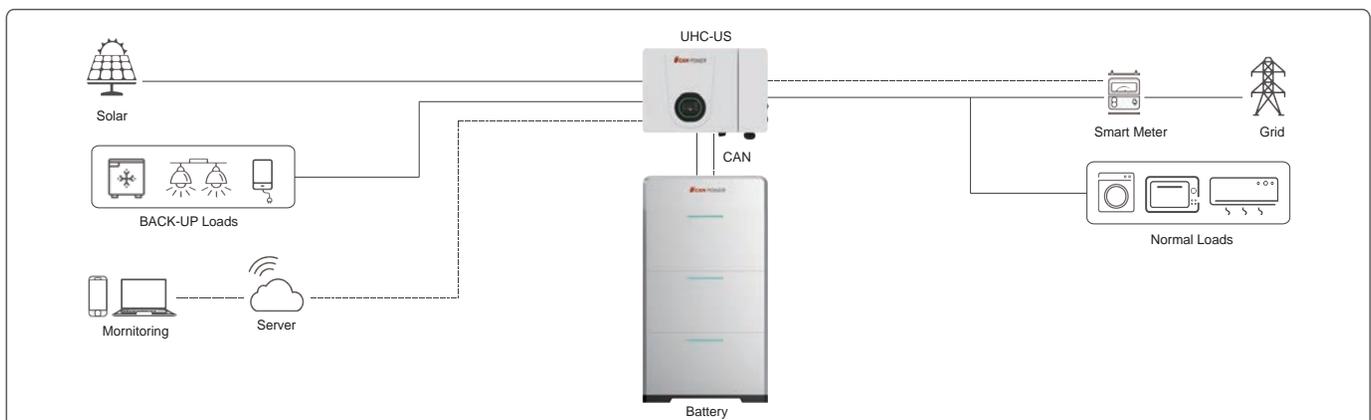
High Reliability

- Multiple protections
- IP65 rating, indoor and outdoor installation



Flexible Application

- Support multi-machine parallel mode sharing a battery pack
- Support the diesel generator and grid access at the same time



Model	UHC-5KS-US	UHC-6KS-US	UHC-8KS-US	UHC-10KS-US
PV Input Data				
Max. recommended PV power	7500W	9000W	12000W	13000W
Max. DC voltage	500V			
Start-up voltage	125V			
Rated DC voltage	360V			
MPPT voltage range	120~500V			
No. of MPP trackers	4			
No. of string per MPP tracker	1			
Max. input current	12*4A			
Max. short current	15*4A			
Battery Input Data				
Battery type	Li-Ion(LFP)			
Battery voltage range	40~58V			
Max. charge voltage	58V			
Max. charge/discharge current	120A/120A	135A/135A	190A/190A	210A/210A
Communication	CAN/RS485			
AC Output Data (On-grid)				
Rated AC power	5000W	6000W	8000W	10000W
Max. apparent power	5500VA	6600VA	8800VA	10000VA
Max. AC output current	24A	28.8A	38.3A	47.8A
Rated grid voltage	120/240V(Split phase), 208V(2/3phase),230V(Single phase)			
Rated grid frequency	50/60Hz			
Output power factor	~1(0.8 leading to 0.8 lagging)			
THDi	<3%			
AC Output Data (Back-up)				
Rated output power	5000W	6000W	8000W	10000W
Max. apparent power	5500VA	6600VA	8800VA	11000VA
Rated output current	24A	28.8A	38.3A	47.8A
Rated output voltage	120/240V(Split phase), 208V(2/3phase),230V(Single phase)			
Rated output frequency	50/60Hz			
THDv	<2%			
Overload ability	125%, 60s/150%, 1s			
Switch time	<20ms			
Efficiency				
Max. efficiency	98.2%			
CEC efficiency	97.2%			
Max. battery charge/discharge efficiency	96.0%			
General Data				
Dimension [W x H x D]	675*420*226mm			
Weight	41kg			
Inverter topology	Non-isolated			
Noise	<25dB	<29dB	<29dB	<29dB
Self-consumption	<3W			
Operating temperature range	-25 C ~60 C			
Relative humidity	0~95%			
Operating altitude	<2000m			
Cooling	Fan			
Protection degree	IP65/NEMA 3R			
Display	LCD			
Communication	RS485,Optional:WiFi			

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