

HT25K/30K/40K/50K/60K-M1

AC Couple Three Phase HV Hybrid Inverter

EFFICIENT - RELIABLE - POWERFUL
COMPATIBILITY - TECHNOLOGY

How to use clean solar energy to meet daily electricity needs of families and enjoy the warmth brought by solar energy even at night? This challenge will be perfectly solved by energy storage hybrid inverters of Each Energy. Our products can satisfy all needs in different situations, regardless of the types of your PV systems and with grid availability or not. We offer uninterrupted power support in any time.



Compatibility

lithium batteries:
voltage range 80-800 V



Flexibility

Supports diesel generator;
No grid places



Efficiency

Max. efficiency: 98.8%;
MPPT efficiency: 99.9%



Performance

UPS automatic switch in < 10ms;
Premium grid peak shaving
capabilities



Intelligent system

Intelligent EMS function

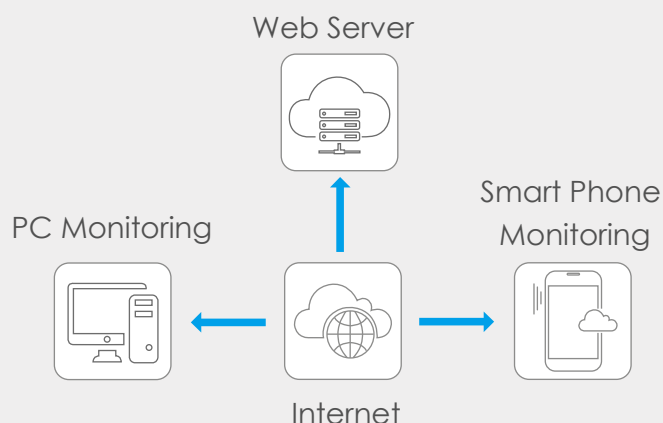


Easy to Use

Plug and play installation;
Easy to monitoring



ANYTIME ANYWHERE MONITORING



Model	HT25K-M1	HT30K-M1	HT40K-M1	HT50K-M1	HT60K-M1
Battery Input Data					
Battery type	Li-ion				
Battery voltage range(V)	80~800				
Max. charging/discharging current(A)	60+60/60+60				
Rated charging current/discharging current(A)	50+50/50+50				
Number of battery input	2				
Charging strategy for Li-ion battery	Self-adaption to BMS				
Communications	RS485, CAN				
AC Output Data(On-Grid Side)					
Rated output power(KW)	25	30	40	50	60
Rated/Max. apparent output power(KVA)	25/25	30/30	40/40	50/50	60/60
Rated grid output current(A)	36.2	43.5	58.0	72.5	87.0
Max. output current(A)	36.2	43.5	58.0	72.5	87.0
Operation phase	3P				
Rated grid voltage/range(V)(L/N/PE)	220/380, 230/400, 240/415, 312~520				
Rated grid frequency(Hz)	50/60				
Power Factor	>0.99, (-0.8 to +0.8 adjustable)				
THDi	<3%				
AC Output Data(Back-Up/UPS Side)					
Rated output power(KW)	25	30	40	50	60
Peak apparent output power(KW), for 60S	50	50	50	50	60
Back-Up/UPS switch time(ms)	<10				
Rated output voltage/range(V)(L/N/PE)	220/380, 230/400, 240/415, 312~520				
Rated frequency(Hz)	50/60				
Rated output current(A)	36.2	43.5	58.0	72.5	87.0
THDv(@linear load)	<2%				
Efficiency					
Max. efficiency	98.8%				
EU efficiency	98.3%				
Protection					
Ground fault monitoring	Yes				
Output over voltage protection	Yes				
Anti-islanding protection	Yes				
Integrated AFCI	Optional				
DC reverse-polarity protection	Yes				
AC short circuit protection	Yes				
Leakage current protection	Yes				
Surge protection	Yes				
DC switch(solar)	Yes				
Battery input reverse polarity protection	Yes				
Over voltage category	AC ClassIII/PV ClassII				
General Data					
Dimensions(mm) (W*H*D)	700*519*270				
Shell material	Aluminium alloy				
Weight(Kg)	50				
Operating ambient temperature range	-25~60 °C				
Topology	Transformerless				
Ingress protection	IP66				
Cooling concept	Smart fan&Natural convection				
Max. operation altitude(m)	3000				
Grid connection standard	AS/NZS4777:2020, EN50549-10:2022, G98:2021, G99:2021, NC RFG, ABNT NBR 16150, VDE-AR-N 4105, CEI0-21, CEI0-16, RD1699, NA/EEA, C10:2019, PPDS:2021, Tor+R25, IEC61683, IEC61727&62161				
Safety/EMC standard	IEC-62109-1/-2, IEC-61000-6-1/-2/-3, NB/T32004				
DC connection	MC4/D4				
Communications	Wifi, 4G, GPRS, Bluetooth, RS485, CAN				