

# HT4K/5K/6K/8K/10K/12K/ 15K/18K/20K-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

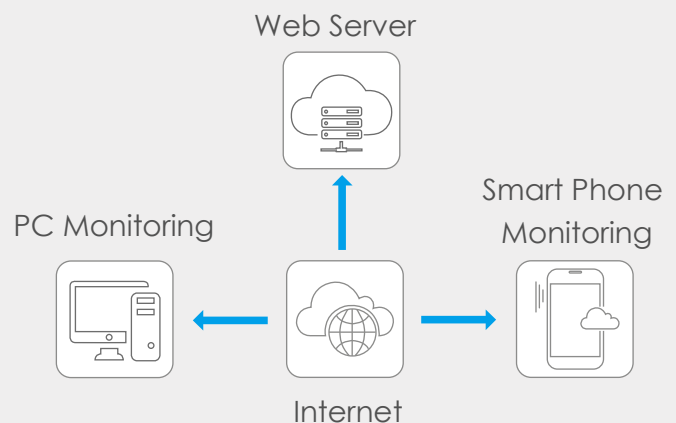


**Easy to Use**

Plug and play installation;  
Easy to monitoring



## ANYTIME ANYWHERE MONITORING



Model	HT4K-M1	HT5K-M1	HT6K-M1	HT8K-M1	HT10K-M1	HT12K-M1	HT15K-M1	HT18K-M1	HT20K-M1
<b>Battery Data</b>									
Battery type	Li-ion								
Battery voltage range(V)	80~800								
Max. charging/discharging current(A)	60/60								
Rated charging current/discharging current(A)	50/50								
Charging strategy for Li-ion battery	Self-adaption to BMS								
Communications	RS485, CAN								
<b>AC Output Data(On-Grid Side)</b>									
Rated output power(KW)	4	5	6	8	10	12	15	18	20
Rated/Max. apparent output power(KVA)	4/4	5/5	6/6	8/8	10/10	12/12	15/15	18/18	20/20
Rated grid output current(A)	5.8	7.2	8.7	11.6	14.5	17.4	21.7	26.1	29
Max. output current(A)	5.8	7.2	8.7	11.6	14.5	17.4	21.7	26.1	29
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%								
<b>AC Output Data(Back-Up/UPS Side)</b>									
Rated output power(KW)	4	5	6	8	10	12	15	18	20
Peak apparent output power(KW), for 60S	8	10	12	16	20	20	22.5	22.5	24
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)	5.8	7.2	8.7	11.6	14.5	17.4	21.7	26.1	29
THDv(@linear load)	< 2%								
<b>Efficiency</b>									
Max. efficiency	98.8%								
EU efficiency	98.3%								
<b>Protection</b>									
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								
<b>General Data</b>									
Dimensions(mm) (W*H*D)	507*522*185								
Shell material	Aluminium alloy								
Weight(Kg)	20								
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/NZS 4777.2:2020, EN50549-1:2019, G98:2021, G99:2021, NC RFG, PTPIREE, ABNT NBR 16149, ABNT NBR 16150, VDE-AR-N 4105, CEI0-21, RD1699								
Safety/EMC standard	IEC-62109-1/-2, IEC-62477-1/-2, IEC-61000-6-1/-2/-3, NB/T32004								
DC connection	MC4/D4								
Communications	Wifi, 4G, GPRS, Bluetooth, RS485, CAN								