

# HT25K/30K/40K/50K-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

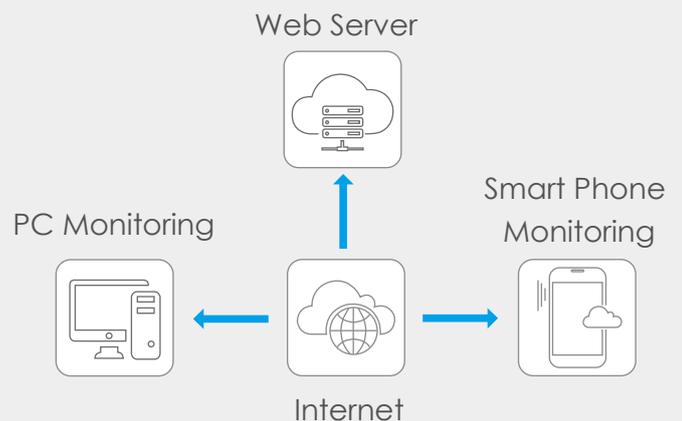


**Easy to Use**

Plug and play installation;  
Easy to monitoring



## ANYTIME ANYWHERE MONITORING



| Model   | HT25K-M1 | HT30K-M1 | HT40K-M1 | HT50K-M1  |
|---|----------|----------|----------|---|
| <b>Battery Input Data</b>                     |          |          |          |   |
| 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  |
| <b>AC Output Data(On-Grid Side)</b>           |          |          |          |   |
| Rated output power(KW)                        | 25       | 30       | 40       | 50  |
| Rated/Max. apparent output power(KVA)         | 25/25    | 30/30    | 40/40    | 50/50   |
| Rated grid output current(A)                  | 36.2     | 43.5     | 58.0     | 72.5  |
| Max. output current(A)                        | 36.2     | 43.5     | 58.0     | 72.5  |
| 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)                        | 25       | 30       | 40       | 50  |
| Peak apparent output power(KW), for 60S       | 50       | 50       | 50       | 50  |
| 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  |
| 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)                        |          |          |          | 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   |