

HOPEWIND

GREEN C&I SOLUTION

hopeSun 36-50KTL

TIER 1
BloombergNEF

Hopewind is ranked as
Tier 1 Solar Inverter Maker by BNEF



FEATURES

High-efficiency

- 2 MPPTs with Max. efficiency 98.60%
- 20A input current, compatible with 210mm PV modules
- High precision & intelligent string detection

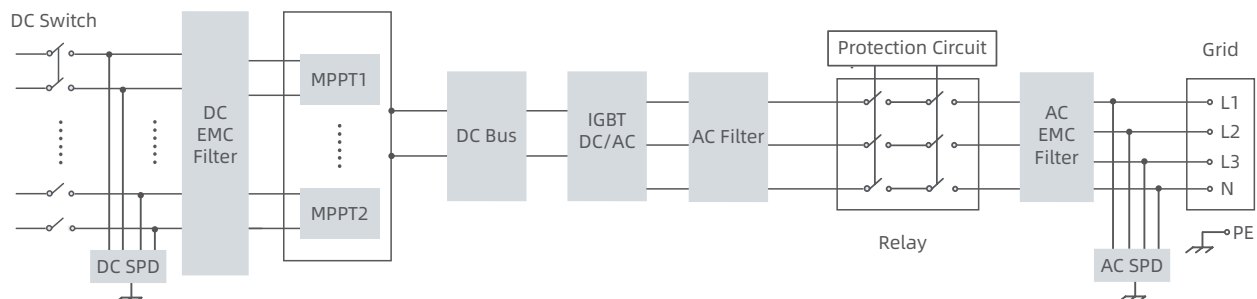
User Friendly

- Built-in zero export function interface
- Touch free commissioning via APP
- Compatible with Al and Cu AC cable

Reliability

- Smart air cooling
- Built-in Type II DC&AC SPD

TOPOLOGICAL GRAPH



PARAMETERS

| Model | hopeSun 36KTL | hopeSun 40KTL | hopeSun 50KTL |
|------------------------------------|---------------------------------|---------------|---------------|
| DC Input | | | |
| Max. PV Input Power | 54 kW | 60 kW | 75 kW |
| Max. Input Voltage | 1100 V | | |
| Starting Voltage | 180 V | | |
| MPPT Voltage Range | 200~1000 V | | |
| MPPT Range Full Load | 375~850 V | | 450~850 V |
| Max. Input Current Per MPPT | 45 A / 45 A | 54 A / 54 A | 60 A / 60 A |
| Max. Short-circuit Current | 67.5 A / 67.5 A | 81 A / 81 A | 90 A / 90 A |
| Number of DC Inputs | 3 / 3 | 5 / 4 | |
| Number of MPP Trackers | 2 | | |
| AC Output | | | |
| Rated Output Power | 36 kW | 40 kW | 50 kW |
| Max. Output Power | 39.6 kW | 44 kW | 55 kW |
| Rated Output Voltage | 230 V / 400 V (3P + N + PE) | | |
| Operating Voltage Range | 300~520 V | | |
| Rated Output Current | 52.0 A | 57.7 A | 72.2 A |
| Max. Output Current | 57.2 A | 64 A | 80 A |
| Rated Grid Frequency | 50 Hz / 60 Hz | | |
| Power Factor | >0.99 (0.8 leading~0.8 lagging) | | |
| Harmonic (THD) | <3% (at rated power) | | |
| Efficiency | | | |
| Max. Efficiency | 98.60% | | |
| European Efficiency | 98.30% | | |
| Protection | | | |
| Surge Protection | DC type II / AC type II | | |
| Insulation Impedance Detection | Yes | | |
| Residual Leakage Current Detection | Yes | | |
| PV String Fault Detection | Yes | | |
| PV Reverse Polarity Protection | Yes | | |
| Anti-Islanding Protection | Yes | | |
| Output Overcurrent Protection | Yes | | |
| DC Switch | Yes | | |
| Zero Export Function | Yes | | |
| General Parameters | | | |
| Dimensions (W × H × D) | 520 × 520 × 265 mm | | |
| Weight | ≤44 kg | | |
| Protection Degree | IP65 | | |
| Operating Temperature | -40 ~ +60°C | | |
| Cooling System | Smart air cooling | | |
| Topology | Transformerless | | |
| Operating Altitude | 4000m (>3000m derating) | | |
| Display | LED, WLAN + APP | | |
| Communication | RS485 / Wi-Fi | | |
| DC Connection Type | MC4 | | |
| AC Connection Type | OT / DT terminal | | |

