

TS60KTL-HV



Peak efficiency 99%, China's efficiency 98.5%;



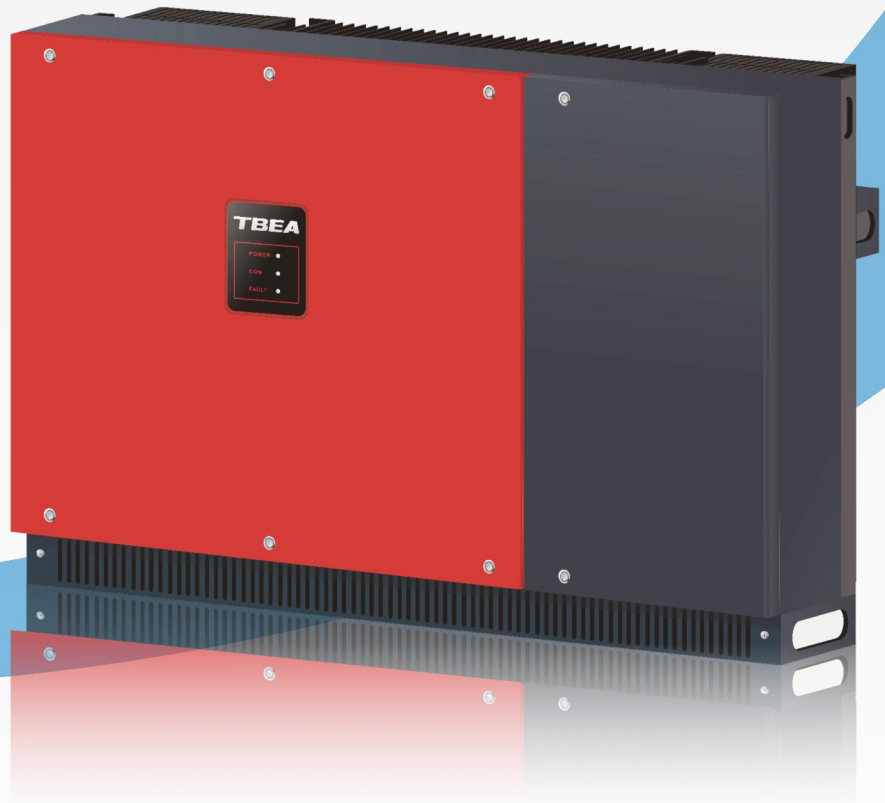
1500V input and 800V output with higher voltage, fewer line losses and lower cable costs;



Multiplexing MPPT with higher tracing efficiency and power generation capacity;



Natural heat dissipation (grade IP65) without complex environment.



| Model | TS60KTL-HV |
|--|--------------------------------------|
| Input (DC) | |
| Max. DC Power | 67.3kW |
| Max. input voltage | 1500V |
| MPPT voltage range | 600 ~ 1450V |
| MPPT voltage range (Fully-loaded) | 880 ~ 1275V |
| Number of DC inputs | 4 |
| Max. input current | 88A |
| Output (AC) | |
| Rated output power | 60kW |
| Max. apparent power | 66kVA |
| Rated output current | 43.3A |
| Max. output current | 47.6A |
| AC nominal voltage | 3/PE 800Vac |
| AC voltage range | 640Vac~960Vac (-20%~20%) |
| AC frequency | 50 Hz/60Hz |
| AC frequency range | 45Hz~65Hz |
| DC current injection | < 0.5%I _{pn} |
| Adjustable power factor | 0.8(leading)-0.8(lagging) adjustable |
| Max.THDI | <3% |
| System parameters | |
| Max. efficiency | 99% |
| Chinese weighted efficiency | >98.5% |
| Isolation type | Transformerless |
| Degree of protection | IP65 |
| Max.self-consumption(night) | <1W |
| Operating temperature range | -25~60°C |
| Max. permissible value for relative humidity | 0%~100% |
| Cooling concept | Natural cooling |
| Max. operating altitude | without derating ≤3000m |
| Display | LED |
| Communication interfaces | RS485/PLC |
| Production certifications | CGC TUV |
| Protection function | |
| Stand-alone grid detection | Yes |
| Zero voltage ride through | Yes |
| Lighting protection failure detection | Yes |
| AC short-circuit protection | Yes |
| Leakage current protection | Yes |
| DC Switch | Yes |
| Power grid voltage frequency protection | Yes |
| By-pass current detection | Yes |
| Mechanical data | |
| Dimensions(W/H/D) | 920mm × 560mm × 280mm |
| Weight | 68kg |