

Overview

TPower series, based on a full intelligent digital design, is a pure sine wave power frequency inverter that converts DC 110V (220V) into 220 (230V) AC power. The inverter combines DC-AC module and AC-AC bypass module in parallel. It has excellent characteristics like high reliability, high efficiency, extensive electronic protection, convenient installation, and operation, which makes it the best choice.

Features

- Adoption of completely isolated inverter technology
- Adoption of advanced SPWM technology, pure sine wave output
- Low output harmonic distortion (THD \leq 3%)
- Output voltage 220/230VAC and frequency 50/60HZ optional
- Function of real-time power query and output power statistics
- Friendly operation interface
- Multiple automatic protection functions of short circuit / overheating overload
- Overload operation under 1.1times continue for 10 minutes
- Fan intelligent control, reduce loss and noise
- Adopt high reliability and imported semiconductor module
- Remote monitoring and hardware startup
- 360°Free movement and fixation (Optional casters)



Technical Specifications

Model	TP10K-110/220-1	TP10KB-110/220-1	TP10K-220/220-1	TP10KB-220/220-1	TP20K-220/220-1	TP20KB-220/220-1	TP30K-220/220-1	TP30KB-220/220-1
Rated input voltage	110Vdc	110Vdc	220Vdc	220Vdc	220Vdc	220Vdc	220Vdc	220Vdc
Battery Input voltage range	93~146Vdc	93~146Vdc	187~293Vdc	187~293Vdc	185 ~ 295Vdc	185 ~ 295Vdc	185 ~ 295Vdc	185 ~ 295Vdc
Max. input current	122A	122A	60A	60A	150A	150A	234A	234A
Rated output power	10000VA	10000VA	10000VA	10000VA	20000VA	20000VA	30000VA	30000VA
Output voltage	220/230Vac±3%(Battery power mode)							
Output frequency	50Hz/60Hz±3%(Battery power mode)							
Output power factor	0.2 ~1							
Output way	Single phase							
Output wave	Pure Sine Wave							
Output THD	≤3%(Resistive load)							
Max. inverter efficiency	> 90%(Resistive rated load)							
Bypass Input voltage range	—	170 ~ 275VAC	—	170 ~ 275VAC	—	170 ~ 275VAC	—	170 ~ 275VAC
Bypass transfer time	12ms							
No-load consumption	≤2%							
Operating temp.	-25°C ~ 50°C(Derating above 45°C)							
Enclosure	IP20							
Relative humidity	0 ~ 95%(N.C.)							
Altitude	5000m(Derating above1500m)							