



FP 10K Series

Application:

FP10000 Photovoltaic Inverter (FP Inverter) developed by Finepower These inverters are used to convert the DC Solar array to AC power fed to grid in distributed power applications, which is provided with high efficiency and reliability. The compact design and easy-to-use characteristics make it is very suitable for residual and light industry applications.



Features:

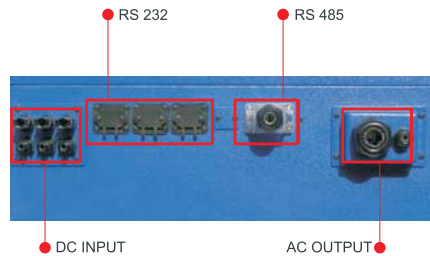
- 1.Transformersless design
- 2.High Reliability
- 3.High European efficiency
 - a. 350 VDC > 96%
 - b. 415 VDC > 96%
 - c. 550 VDC > 95%
- 4.MPPT efficiency >99%
- 5.Islanding detection method: active frequency drift detection
- 6.Embedded GFCI
- 7.Firmware updated capability
- 8.RS232 / Ethernet Communication with History Data Log
- 9.3 MPPT trackers

- ☉ Photovoltaic Inverter (FP Inverter)
- ☉ 3 MPPT
- ☉ High efficiency

Control Panel



Rear Panel



| Model | | FP 10000(DK) | FP 10000(RD) | |
|---------------------------------------|------------------------------------|---|--------------------------|--|
| Input(DC Side) | MPP tracking channel | 3 | | |
| | Nominal DC voltage | 500 V | | |
| | MAX PV open voltage | 700 V | | |
| | Working voltage range | 350V ~ 700V | | |
| | System start-up voltage | 350V | | |
| | Feed to grid voltage | 380V | | |
| | MAX input power | 3800W/tracker | | |
| | MAX input current | 11A/tracker | | |
| | MPPT voltage range | 350V ~ 560V | | |
| | Shutdown voltage | 300V typical | | |
| | MPPT efficiency | > 99% | | |
| | DC insulation resistance | > 2MΩ | | |
| Output(AC side) | Nominal output power | 10K W | | |
| | Overload power for 10 Minutes | 11.7K W | | |
| | AC Voltage range | 400V*3 | 400V*3 | |
| | | -20% ~ +20% | -15% ~ +10% | |
| | | (327Vac~472Vac) | (347Vac~432Vac) | |
| | Working Frequency Range | 49.71~50.29HZ for 50HZ | 49.01~50.99HZ for 50HZ | |
| | | 59.31~60.49HZ for 60HZ | 59.31~60.49HZ for 60HZ | |
| | Frequency setting range | 49.71 ~ 50.29 HZ | 49.01 ~ 50.99 HZ | |
| | AC wiring system | 3-phase 5 wire | | |
| | Nominal Output Current | 14.5 A ac | | |
| | Maximum Output Current | 17.5 A ac | | |
| | O/P Current THDI | < 3% | | |
| Power Factor at full rating | > 0.99 | | | |
| Output current DC component | 72.5mA | 145mA | | |
| Active anti-islanding | aactive frequency drift detection | | | |
| Maximum conversion efficiency (DC/AC) | >96.5% | | a.350VDC >96% | |
| | | | b.415VDC >96% | |
| | | | c.550VDC >95% | |
| European Efficiency | See ground fault current detection | | Threshold | |
| | | | Current Range | |
| | | | Frequency Range | |
| GFCI | 0 ~ 500mA | | 0 ~ 700HZ | |
| | IP65 | | a-20°C ~ 55°C | |
| | Humidity | | 0 ~ 95% , non-condensing | |
| Altitude | | Up to 2000m without power derating | | |
| Heat Dissipation | | Force air cooling ,variable fan speed control according to temperate on heat sink | | |
| Noise Level | | < 45 dB | | |
| Communication | | RS232 , Ethernet | | |
| Storage temperature | | -25°C ~ 60°C | | |
| Storage humidity | | 0 ~ 95% | | |
| Dimension(WxDxH)mm | | 558x463x175 | | |