



1. DSP control with excellent performance and comprehensive protection.
2. Output power factor 1.0, offer more stronger load capacity.
3. Advance 3 levels inverter technology, 95% efficiency saving electricity cost.
4. Ultra wide Input, 110V to 300VAC, well compatible with generator.
5. PCB with conformal coating for critical environment.
6. Emergency Power Off (EPO) with ECO function.
7. Compact design to save installation space.
8. Configurable output , 220V/230VAC with LCD screen.
9. AC and cold start function.
10. Default RS323, USB, EPO interface and SNMP card (optional).
11. IBM charger 1 to 12Amp settable, external battery lifespan and fast charging facility.
12. Standard model with external battery interface for extending backup time.
13. Battery test and EOD voltage settable on LCD.
14. Simple design for fast and easy maintenance.
15. Intelligent fan running depend on load and temperature.
16. Default battery breaker for safety and convenience.
17. Advance parallel up to 4 units (optional).
18. Manual bypass for 6 to 10kVA (optional).

### Specification

| Model                        | WPM1K                                   | WPM1KL | WPM2K    | WPM2KL | WPM3K    | WPM3KL | WPM6K  | WPM6KL | WPM10K     | WPM10KL |
|------------------------------|---|--------|----------|--------|----------|--------|--|--------|------------|---------|
| Phase                        | 1phase 2wire+PE                         |        |          |        |          |        |  |        |            |         |
| Capacity                     | 1kVA/1kW                                |        | 2kVA/2kW |        | 3kVA/3kW |        | 6kVA/6kW   |        | 10kVA/10kW |         |
| <b>Input</b>                 |   |        |          |        |          |        |  |        |            |         |
| Nominal Input Voltage        | 220/230/240VAC                          |        |          |        |          |        |  |        |            |         |
| Input Voltage Range          | 110V~300V Half load 176V~300V Full Load |        |          |        |          |        |  |        |            |         |
| Input Frequency Range        | 50/60Hz+/-10%                           |        |          |        |          |        |  |        |            |         |
| Input Power Factor           | 0.99 @Full load                         |        |          |        |          |        |  |        |            |         |
| THDi                         | ≤3%(linear load), ≤5%(non-linear load)  |        |          |        |          |        |  |        |            |         |
| <b>Output</b>                |   |        |          |        |          |        |  |        |            |         |
| Output Voltage               | 230V (220/240/208V Selectable)          |        |          |        |          |        |  |        |            |         |
| Output Voltage Regulation    | 1%                                      |        |          |        |          |        |  |        |            |         |
| Output Frequency (Sync.Mode) | 46Hz~54Hz/56Hz~64Hz                     |        |          |        |          |        |  |        |            |         |
| Output Frequency (Bat.Mode)  | 50Hz+/-0.05Hz 60Hz+/-0.05Hz             |        |          |        |          |        |  |        |            |         |
| Output THDv%                 | ≤2% linear Load, ≤4% Non-linear Load    |        |          |        |          |        |  |        |            |         |
| Overload                     | AC Mode: 1mins@105%-125%,30S 125%-150%, |        |          |        |          |        | ACMode:<br>10mins@105%-125%,30S<br>125%-150%,<br>BatteryMode:1mins@105%-125%,<br>10S 125%-150% |        |            |         |
| Output Waveform              | Pure Sinewave                           |        |          |        |          |        |  |        |            |         |
| <b>Transfer time</b>         |   |        |          |        |          |        |  |        |            |         |
| Line mode ↔ Bat Mode         | 0ms                                     |        |          |        |          |        |  |        |            |         |
| Inv ↔ Bypass Mode            | <4ms                                    |        |          |        |          |        |  |        |            |         |
| <b>Efficiency</b>            |   |        |          |        |          |        |  |        |            |         |
| AC-->AC                      | Max.94%                                 |        |          |        |          |        | Max.95%  |        |            |         |
| ECO                          | 98%                                     |        |          |        |          |        |  |        |            |         |

|   |  |   |   |   |
|---|--|---|---|---|
| Battery Mode  | Max.94.5%  |   |   |   |
| <b>Battery and Charger</b>  |  |   |   |   |
| Battery Voltage/Capacity  | Standard model:2 x 12V/9AHA<br>Long run model:36V external battery                             | Standard model:6 x 12V/7AH<br>Long run model:72V external battery | Standard model:6 x 12V/9AH<br>Long run model:96V external battery | Standard model:16 x 12V/7AHA or 9AH<br>Long run model:192V/240V external battery* |
| Battery Type  | Maintenance Free Lead Acid (VRLA) for Standard Model with internal battery                     |   |   |   |
| Recharge time   | Standard model:7hours to above 90%<br>Long run model:Subject to external battery configuration |   |   |   |
| Max recharge current  | Standard model:1-2A<br>Long run model:1-12A settable   |   |   |   |
| Floating charge Voltage   | 27.3/41V   | 82V   | 82/109V   | 218.4V/273V   |
| <b>Display</b>  |  |   |   |   |
| Display   | LED/LCD(option)  |   |   |   |
| Buzzer Alarm  | Bat.Mode/Bat.Low/OverLoad/Fault  |   |   |   |
| Communication Port  | RS232+USB+EPO,SNMP(option)   |   |   |   |
| <b>Physical</b>   |  |   |   |   |
| Form factor   | Tower / Rack   |   |   |   |
| Tower(W*H*D)MM  | 145*225*285  | 145*225*395   | Standard model:192*352*4<br>50<br>Long run model:200*450*3<br>52  | Standard model:200*460*800<br>Long run model:200*450*352                          |
| Rack  | 438mm(w) x 88mm(2U) x 500mm(D)   |   |   |   |
| Weight  | 18.6/9.0kg   | 19/10kg   | 25/11kg   | 6KVA:57/18kg<br>10kVA:67.5/20kg   |
| <b>Environment</b>  |  |   |   |   |
| Humidity  | 5~97% (Non condensing)   |   |   |   |
| Operating Ambient temperature   | 0~40°C   |   |   |   |
| Note: "L" refers to "Long-run model", *Specification is subject to change without further notice; |  |   |   |   |