

# PRM PLUS Series

## 25~300kVA Modular UPS

### Power range

25~300kVA

### Operation

3P/3P, Online double conversion

### Applications

Government, Finance, IT, Education, Transportation, Broadcasting, Medical, Energy, etc.

### Characteristics



Fully digital control, flexible and robust.



10 inch touch LCD, with IoT functions.



High reliability and environment adaptability, with protection of components level.



Extreme high power density, 30kW in 2U, friendly for space and maintenance.



Option of 30A charger module for long backup applications.



| Model                       |                       | PRM PLUS250/25                                                                                 | PRM PLUS300/30 |
|-----------------------------|-----------------------|------------------------------------------------------------------------------------------------|----------------|
| Rate Power                  |                       | 250kVA/250kW                                                                                   | 300kVA/300kW   |
| Main input                  | Input                 | 3P5W (3P+N+PE)                                                                                 |                |
|                             | Rate Voltage          | 380/400/415VAC(L-L) 220/230/240VAC(L-N)                                                        |                |
|                             | Rate Freq.            | 50/60Hz                                                                                        |                |
|                             | Input PF              | >0.99                                                                                          |                |
|                             | Current distortion    | THDi<3%(100% Linear load)                                                                      |                |
|                             | Voltage range         | 304 478VAC(L-L)full load 304 228VAC (L-L) power derate from 100% to 75%                        |                |
|                             | Freq. range           | 40-70Hz                                                                                        |                |
| Battery                     | Rate voltage          | ±240VDC                                                                                        |                |
|                             | Charging capacity     | 20%*Pout                                                                                       |                |
|                             | Charging accuracy     | ±1%                                                                                            |                |
| Bypass                      | Rate voltage          | 380/400/415VAC(L-L)220/230/240VAC(L-N)                                                         |                |
|                             | Voltage range         | Range: -40%- +25% , Settable, default -20% +15%;                                               |                |
|                             | Overload              | 110%, long time operation ; 110%< load<125%, 5 mins ;<br>125%<load<150%,1 min ; >150%,1 second |                |
| Inverter                    | Rate voltage          | 380/400/415VAC(L-L) 220/230/240VAC(L-N)                                                        |                |
|                             | Rate Freq.            | 50/60Hz                                                                                        |                |
|                             | Output PF             | 1                                                                                              |                |
|                             | Voltage accuracy      | ±1.0%                                                                                          |                |
|                             | Load response         | <5% (20% - 80% -20% step load)                                                                 |                |
|                             | Recovery time         | < 20ms (0% - 100% -0% step load)                                                               |                |
|                             | Output THDu           | <1%(linear load),<5% (non-linear load according to IEC 62040-3)                                |                |
|                             | Overload              | 110%,1 hour 125%,10 mins 150%,1 min >150%,200ms                                                |                |
|                             | Frequency accuracy    | 0.1%                                                                                           |                |
|                             | Synchronize window    | Settable ±0.5Hz-±5Hz default ±3Hz                                                              |                |
|                             | Slew rate             | Settable 0.5Hz/S-3Hz/S default 0.5Hz/S                                                         |                |
|                             | Phase Accuracy        | 120°±0.5°                                                                                      |                |
| System                      | Efficiency            | Normal Mode up to 95.5%; Battery Mode up to 95.5%                                              |                |
|                             | Display               | LED + 10 inch touch LCD                                                                        |                |
|                             | Certification- Safety | IEC62040-1, IEC60950-1                                                                         |                |
|                             | Certification- EMS    | IEC62040-2 IEC61000-4-2(ESD) IEC61000-4-3(RS) IEC61000-4-4 (EFT) IEC61000-4-5 (Surge)          |                |
|                             | IP degree             | IP20                                                                                           |                |
|                             | Configuration         | USB, RS232, RS485, Dry contact, Cold start,Air filter                                          |                |
|                             | Option                | SNMP card, AS400 card, Parallel kit, SPD, LBS                                                  |                |
|                             | Environment           | 0-40 (operation) -25 ~70 (storage) 0-95% (Humidity, non-condensing)                            |                |
| Dimention                   | Noise(dB)(1 meter)    | 65dB @ 100% load, 62dB @ 45% load                                                              |                |
|                             | cabinet(W*D*H)mm      | 600*1000*2000                                                                                  |                |
| Weight(kg)                  | module(W*D*H)mm       | 440*678*85 (2U)                                                                                |                |
|                             | Cabinet               | 260                                                                                            |                |
|                             | Module                | 23                                                                                             |                |
| Power Module rated capacity |                       | 25KW                                                                                           | 30KW           |



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