

Rack



- True double-conversion
- Microprocessor control optimizes reliability
- Input power factor correction
- Output power factor 0.8
- Wide input voltage range (110-300 VAC)
- Converter mode available
- ECO mode for energy saving only available for 1-3KVA models
- Generator compatible
- Adjustable charging current via LCD or software (1A~6A)
- Emergency power off function (EPO) only available for 6K/10K models

Rack Online UPS Selection Guide

| MODEL | P-1KRM/L | | P-2KRM/L | | P-3KRM/L | | P-6KRM/L | | P-10KRM/L | | |
|--------------------------------------|--|---|------------------|---------------------|------------------|---------------------|---|--|---|---|-------------------------------|
| PHASE | Single phase with ground | | | | | | | | | | |
| CAPACITY | 1000 VA / 800 W | | 2000 VA / 1600 W | | 3000 VA / 2400 W | | 6000 VA / 4800 W | | 10000 VA / 8000 W | | |
| INPUT | | | | | | | | | | | |
| Nominal Voltage | 100/110/115/120/127VAC or 200/208/220/230/240VAC | | | | | | 208/220/230/240VAC | | | | |
| Input Voltage Range | 55-145 VAC or 110-300 VAC at 50% load 85-140 VAC or 160-280 VAC at 100% load | | | | | | 110-300 VAC ± 3% at 50% Load 176-300 VAC ± 3% at 100% Load | | | | |
| Frequency Range | 40Hz ~ 70 Hz | | | | | | 46Hz ~ 54 Hz or 56Hz ~ 64 Hz | | | | |
| Power Factor | ≥ 0.99 @ Nominal Voltage (100% load) | | | | | | | | | | |
| OUTPUT | | | | | | | | | | | |
| Output Voltage | 100/110/115/120/127VAC or 200/208/220/230/240VAC | | | | | | 208/220/230/240VAC | | | | |
| Voltage Regulation | ± 1% | | | | | | | | | | |
| Frequency Range (Synchronized Range) | 47~ 53 Hz or 57 ~ 63 Hz | | | | | | 46Hz ~ 54 Hz or 56Hz ~ 64 Hz | | | | |
| Frequency Range (Batt. Mode) | 50 Hz ± 0.25 Hz or 60Hz ± 0.3 Hz | | | | | | 50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz | | | | |
| Current Crest Ratio | 3:1 | | | | | | | | | | |
| Harmonic Distortion | ≤ 3 % THD (Linear Load), ≤ 6 % THD (Non-linear Load) | | | | | | ≤ 3 % THD (Linear Load), ≤ 5 % THD (Non-linear Load) | | | | |
| Transfer Time | AC Mode to Battery Mode | | Zero | | 0 ms | | Inverter to Bypass | | 4 ms (Typical) | | |
| Waveform (Batt. Mode) | Pure Sinewave | | | | | | | | | | |
| EFFICIENCY | | | | | | | | | | | |
| AC Mode | 88% | | 89% | | 90% | | 92% | | 93% | | |
| Battery Mode | 83% | | 87% | | 88% | | 90% | | 91% | | |
| BATTERY | | | | | | | | | | | |
| Standard Model | Battery Type | 12 V / 9 AH | | 12 V / 9 AH | | 12 V / 9 AH | | 12 V / 9 AH | | | |
| | Numbers | 2 | | 4 | | 6 | | 16 | | 20 | |
| | Typical Recharge Time | 4 hours recover to 90% capacity | | | | | | 9 hours recover to 90% capacity | | | |
| | Charging Current | 1.0 A | | | | | | 1A/2A (Adjustable) | | | |
| Long-run Model | Charging Voltage | 27.4VDC ± 1% | | 54.7 VDC ±1% | | 82.1 VDC ±1% | | 218.4VDC ± 1% | | 273 VDC ± 1% | |
| | Battery Type | Depending on the capacity of external batteries | | | | | | | | | |
| | Numbers | 2 | | 3 | | 4 | | 6 | | 8 | |
| | Charging Current (max.) | 1.0A/2.0A/4.0A/6.0 A | | | | | | Depending on applications 16 - 20 pcs (Adjustable) 1A/2A/4A/6A (Adjustable, 6A is only available for 16pcs batteries) | | | |
| Charging Voltage | 27.4VDC ± 1% | | 41.0VDC ± 1% | | 54.7 VDC ±1% | | 82.1 VDC ±1% | | 109.4VDC ±1% | | |
| INDICATORS | | | | | | | | | | | |
| LCD Panel | UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions | | | | | | | | | | |
| ALARM | | | | | | | | | | | |
| Battery Mode | Sounding every 4 seconds | | | | | | | | | | |
| Low Battery | Sounding every second | | | | | | | | | | |
| Overload | Sounding twice every second | | | | | | | | | | |
| Fault | Continuously sounding | | | | | | | | | | |
| PHYSICAL | | | | | | | | | | | |
| Standard Model | Dimension, D x W x H (mm) | 310 x 438 x 88 [2U] | | 410 x 438 x 88 [2U] | | 630 x 438 x 88 [2U] | | UPS Unit: 530x438x88 [2U] Battery Pack: 668x438x88 [2U] | UPS Unit: 530x438x88 [2U] Battery Pack: 580x438x133 [3U] | UPS Unit: 580x438x133[3U] Battery Pack: 580x438x133 [3U] | |
| | Net Weight (kgs) | 12 | | 19 | | 29.3 | | UPS Unit: 15 Battery Pack: 48 | UPS Unit: 15 Battery Pack: 61 | UPS Unit: 18 Battery Pack: 51 | UPS Unit: 18 Battery Pack: 61 |
| Long-run Model | Dimension, D x W x H (mm) | 310 x 438 x 88 [2U] | | 410 x 438 x 88 [2U] | | 530 x 438 x 88 [2U] | | 580 x 438 x 133[3U] | | | |
| | Net Weight (kgs) | 9 | | 12 | | 14.2 | | 15 | | 18 | |
| ENVIRONMENT | | | | | | | | | | | |
| Humidity | 20-90 % RH @ 0- 40°C (non-condensing) | | | | | | 0-95 % RH @ 0- 40°C (non-condensing) | | | | |
| Noise Level | Less than 50dB @ 1 Meter | | | | | | Less than 55dB @ 1 Meter | | Less than 58dB @ 1 Meter | | |
| MANAGEMENT | | | | | | | | | | | |
| Smart RS-232 / USB | Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8/10, Linux and MAC | | | | | | | | | | |
| Optional SNMP | Power management from SNMP manager and web browser | | | | | | | | | | |

*Long-run model is only available for 200/208/220/230/240VAC systems.

**Derate to 80% of capacity in Frequency converter mode and to 80% when the output voltage is adjusted to 100/200/208VAC.

Product specifications are subject to change without further notice.