

SYNAPSE

SYNAPSE 5.0RKM+



SYNAPSE 5.0RKM+ Features

- Zero (0ms) transfer time to protect mission-critical loads such as servers and ATMs
- Reserved communication port for BMS (RS485, CAN-BUS or RS232)
- Configurable AC/PV output usage timer and prioritization
- Pure sine wave solar inverter
- Selectable high power charging current
- Wide DC input range
- Compatible to mains voltage or generator power
- Auto restart while AC is recovering
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function
- Optional parallel operation up to 9 units



| | |
|---------------------------------------|--|
| Model | |
| Rate Power | 5000VA / 5000W |
| Parallel Capability | Up to 9 units |
| Input | |
| Voltage | 230 VAC |
| Selectable Voltage Range | 110 - 280 VAC |
| Frequency Range | 50 Hz / 60 Hz (Auto sensing) |
| Output | |
| AC Voltage Regulation | 230 VAC \pm 5% |
| Surge Power | 10000VA for 5 sec |
| Efficiency (Peak) | 93% at Line Mode, 90% at Battery Mode |
| Transfer Time | 0 ms |
| Waveform | Pure sine wave |
| Battery | |
| Battery Voltage | 48 VDC |
| Floating Charge Voltage | 54 VDC |
| Overcharge Protection | 66 VDC |
| Solar Charger & AC Charger | |
| Solar Charge Type | MPPT |
| Maximum PV Array Open Circuit Voltage | 145 VDC |
| Maximum PV Array Power | 4000 W |
| MPPT Range @ Operating Voltage | 60 ~ 115 VDC |
| Maximum Solar Charge Current | 80 A |
| Maximum AC Charge Current | 60 A |
| Maximum Charge Current | 140 A |
| Physical | |
| Dimensions D,W,H (mm) | 466.3 x 438 x 130.8 |
| Net Weight (kgs) | 15 kgs |
| Communication Interface | USB / RS232 / RS485 / Dry-contact / Wi-Fi |
| Operating Environment | |
| Humidity | 5% to 95% Relative Humidity (Non-condensing) |
| Operating Temperature | -10°C to 50°C |
| Storage Temperature | -15°C to 60°C |

| Cape Town | Johannesburg | Port Elizabeth | East London | Durban | Namibia |
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