

SPH 3000~6000TL BL-UP

- Smart load management via dry contact
- UPS function, 10ms transition
- Scalable system configuration
- VPP interface ready

- 2 DC/AC Ratio



RCJWAI I

P O W E R
- I N G O
7T @ M © -
R E i © N O

Datasheet

SPH3000TL BL-UP SPH3600TL BL-UP SPH4000TL BL-UP SPH4600TL BL-UP SPH5000TL BL-UP SPH6000TL BL-UP

| | | | | | | |
|--|--------|--------|---------|---------------------------------|---------|---------|
| Max, recommended PV power (for module STC) | 6500W | 7500W | 8500W | 9000W | 9500W | 10600W |
| Max, DC voltage | | | | 550V | | |
| Start voltage | | | | 120V | | |
| MPP voltage range/ Nominal Voltage | | | | 120-550V/370V | | |
| No, of MPP trackers | | | | 2 | | |
| No, of PV strings per MPP tracker | | | | 1 | | |
| Max, input current per MPP tracker | | | | 13,5A | | |
| Max, short-circuk current per MPP hacker | | | | 16,9A | | |
| AC nominal power | 3000W | 3680W | 4000W | 4600W | 5000W | 6000W |
| Rated AC apparent power | 3000VA | 3600VA | 4000VA | 4600VA | 5000VA | 6000VA |
| Nominal AC voltage (range) | | | | 230V/ (l 80Vac-260Vac) | | |
| AC grid frequency (range) | | | | 50HZ/60Hz (45Hz-55Hz/55Hz-65Hz) | | |
| Rated, output current | 13,5A | 16A | 17,5A | 20A | 22A | 27A |
| Adjustable power factor | | | | 0,8leading,..0,8lagging | | |
| THDi | | | | <3% | | |
| AC grid connection type | | | | Single phase | | |
| Battery voltage range | | | | 42--59V | | |
| Max charging and discharging current | 66A | 75A | 85A | 85A | 85A | 85A |
| Continuous charging and discharging power | 3000W | 3680W | 4000W | 4000W | 4000W | 4000W |
| Type of battery | | | | Lithium /Lead-acid | | |
| Max, AC output power | 3000W | 3680W | 4000W | 4000W | 4000W | 4000W |
| Rated output current | 13A | 16A | 17,5A | 17,5A | 17,5A | 17,5A |
| Nominal AC output voltage | | | | 230Vac | | |
| Nominal AC output frequency | | | | 50/60HZ | | |
| THDv | | | | <3% | | |
| Switch time | | | | <10ms | | |
| MAX, efficiency | 97,20% | 97,20% | 97,30% | 97,40% | 97,50% | 97,60% |
| European efficiency | 97% | 97% | 97. 10% | 97. 10% | 97. 20% | 97. 20% |
| MPPT efficiency | | | | 799,5% | | |
| DC switch | | | | Yes | | |
| DC reverse polarity protection | | | | Yes | | |
| AC/DC surge protection | | | | Yes | | |
| Battery reverse protection | | | | Yes | | |
| AC short-circuit protection | | | | Yes | | |
| Ground fault monitoring | | | | Yes | | |
| Grid monitoring | | | | Yes | | |
| Anti-islanding protection | | | | Yes | | |
| Residual-current monitoring unit | | | | Yes | | |
| Insulation resistance monitoring | | | | Yes | | |
| Dimensions (wl H / D) | | | | 565/456/1 88mm | | |
| Weight | | | | 27kg | | |
| Operating temperature range | | | | -25°C ... +60°C | | |
| Nighttime power consumption | | | | < IOW | | |
| Topology | | | | Transformerless | | |
| Cooling | | | | Natural | | |
| Protection degree | | | | IP65 | | |
| Relative humidity | | | | 0—100% | | |
| Altitude | | | | 2000m | | |
| PV DC Connection | | | | H4/MC4(Optional) | | |
| Battery DC Connection | | | | OT Terminal | | |
| AC connection | | | | Connector | | |
| Display | | | | LCD+LED | | |
| Interfaces:RS485/CAN/USB | | | | Yes | | |
| Monitor : RFNVIFI/GPRS | | | | Optional | | |
| Warranty: 5 years / 10 years | | | | Yes/Optional | | |

CE, IEC62109, G98/G99, VDE0126-1-1, AS4777, CEI Ck21, VDEA?-N4105, LAE C 15712, EN50549, EC 61727, EC 62116, EC 62040, CICV11, NRS 097-2-1

∴ The AC voutage range and frequency range mayvary depending on specific country grid standard, All specifica ons are subjecto change without notice,