# Jebel 5KW Single phase On-grid with Wi-Fi

JBL-ON-5K-1P

- LED display, touch button design, direct data view
- Maximum efficiency 97.6%,dual MPPT, more power generation
- With 3-MPPT, support for parallel connection for greater adaptability
- 130% DC over configuration,110% AC overload output; Wide DC voltage range
- IP65 protection,built-in SPD protection for safety and reliability
- Intelligent remote monitoring
- Support anti-backflow function

| Technical Data | JBL-ON-3.6K-1P | JBL-ON-4K-1P | JBL-ON-4.6K-1P | JBL-ON-5K-1P | JBL-ON-6K-1P |
|---|---|---|---|---|---|
| **Input Data** | | | | | |
| Max. PV access power | 7.2kW | 8kW | 9.2kW | 10kW | 12kW |
| Max. PV input power | 4.7kW | 5.5kW | 6kW | 6.5kW | 7.8kW |
| Max. PV input voltage | 500V | | | | |
| Operation voltage range | 70V-450V | | | | |
| Number of independent MPPT/ strings per MPPT | 1/1 | | | | |
| MPPT max. current | 20A/20A | | | | |
| **AC Output Data** | | | | | |
| Rated output power | 3.6kW | 4kW | 4.6kW | 5kW | 6kW |
| Max. output power | 3.9kW | 4.4kW | 5kW | 5.5kW | 6.6kW |
| Rated output voltage | 40V-60V | | | | |
| Rated output frequency | 50Hz/60Hz | | | | |
| Rated output current | 15.7A | 18A | 20A | 21.8A | 26.1A |
| Max. output current | 17.3A | 20A | 22A | 24A | 29A |
| Power factor | -0.8-+0.8(adjustable) | | | | |
| THDi | <3% @ R Load | | | | |
| Grid system pattern | L+N+PE | | | | |
| **Efficiency** | | | | | |
| Max. efficiency | 97.6% | | | | |
| Europe efficiency | 96.8% | | | | |
| **Protection** | | | | | |
| Input DC switch | Yes | | | | |
| Input over current protection | Yes | | | | |
| DC reverse polarity protection | Yes | | | | |
| Output over voltage protection | Yes | | | | |
| Output over current protection | Yes | | | | |
| Anti islanding protection Insulation | Yes | | | | |
| impedance protection | Yes | | | | |
| RCD detection | Yes | | | | |
| **General Data** | | | | | |
| Dimensions (L/W/H) in mm | 367/421/215 | | | | |
| Weight | 11.5kg | | | | |
| Noise | <25dB | | | | |
| Operation temperature range Heat | -25 ℃ + 60 ℃ | | | | |
| dissipation mode | Smart Cooling | | | | |
| IP Class | IP66 | | | | |
| Maximum altitude | 4000m | | | | |
| Self-Consumption night | <1w | | | | |
| Topology | Transformerless | | | | |
| **Features** | | | | | |
| LCD display | LED+LCD | | | | |
| Communication interface | RS485/CAN (for BMS), RS485, CAN (for parallel), 1*DO, 1*DI, Wi-Fi, LAN (Optional) | | | | |
| Warranty | 5 years (standard) | | | | |
| Standards | IEC/EN 62109-1/2 IEC/EN 61000-6-1/2/3/4, IEC/EN 62920 | | | | |

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