

PRODUCT INTRODUCTION

Three Phase with Eight/Ten MPPT

CBG-LF80-125KW-TPM-S



MAX 98.8% EFFICIENCY

IP65 PROTECTION



INTELLIGENT

- Intelligent positioning abnormal string with integrated I/V scan function
- Real-time fault curve recording, improve O&M efficiency
- IP68 intelligent fans, lower operation temperature, longer lifespan
- Intelligent quad-core processor, information processing more comprehensive, fast, and efficient



HIGH YIELD

- High yield with Max. 98.8% efficiency
- Up to 10% continuous output overloading capacity
- 8/10 MPPT design, lower PV string mismatch loss
- Optional PID recovery function
- DC 2 in 1 connection enabled, compatible with high-power panels



CONVENIENCE

- Support wireless and wired internet connection (RS485, WiFi/GPRS/LAN optional)
- Remote upgrading available
- Fast and easy commissioning via App or OLED display

Technical Parameters

CBG-LF80-125KW-TPM-

| Model | CBG-80KTL | CBG-100KTL | CBG110KTL | CBG-100KTL-HV | CBG-125KTL-HV |
|-----------------------------------|--|------------|-----------|----------------|---------------|
| Input | | | | | |
| Max. Input Power (W) | 128,000 | 160,000 | 176,000 | 160,000 | 200,000 |
| Start-up Voltage (V) | 200 | 200 | 200 | 200 | 200 |
| Max. DC Input Voltage (V) | 1,100 | 1,100 | 1,100 | 1,100 | 1,100 |
| Rated DC Input Voltage (V) | 620 | 620 | 620 | 750 | 750 |
| MPPT Voltage Range (V) | 200-950 | 200-950 | 200-950 | 200-950 | 200-950 |
| No. of MPP Trackers | 8 | 10 | 10 | 10 | 10 |
| No. of DC Inputs per MPPT | 2/2 | 2/2 | 2/2 | 2/2 | 2/2 |
| Max. Input Current (A) | 8*26 | 10*26 | 10*26 | 10*26 | 10*26 |
| Max. Short-circuit Current (A) | 8*40 | 10*40 | 10*40 | 10*40 | 10*40 |
| Output | | | | | |
| Rated Output Power (W) | 80,000 | 100,000 | 110,000 | 100,000 | 125,000 |
| Max. Output Power (W) | 88,000 | 110,000 | 121,000 | 110,000 | 137,500 |
| Max. Apparent Power (VA) | 88,000 | 110,000 | 121,000 | 110,000 | 137,500 |
| Rated Output Voltage (V) | 3L/N/PE, 230/400V | | | 3L/PE,288/500V | |
| Rated AC Frequency (Hz) | 50/60Hz 45-55Hz/55-65Hz | | | | |
| Max. Output Current (A) | 127 | 158.8 | 174.8 | 127 | 158.8 |
| Power Factor | 0.8 leading...0.8 lagging | | | | |
| Max. Total Harmonic Distortion | < 3% @ Rated Output Power | | | | |
| DCI | < 0.5% In | | | | |
| Efficiency | | | | | |
| Max. Efficiency | 98.8% | 98.8% | 98.8% | 98.8% | 98.8% |
| European Efficiency | 98.3% | 98.3% | 98.3% | 98.3% | 98.3% |
| MPPT Efficiency | 99.9% | 99.9% | 99.9% | 99.9% | 99.9% |
| Protection | | | | | |
| DC Reverse Polarity Protection | Integrated | | | | |
| Insulation Resistance Protection | Integrated | | | | |
| DC Switch | Optional | | | | |
| Surge Protection | Integrated | | | | |
| Over-temperature Protection | Integrated | | | | |
| Residual Current Protection | Integrated | | | | |
| Anti-islanding Protection | Integrated | | | | |
| AC Short-circuit Protection | Integrated | | | | |
| AC Over-voltage Protection | Integrated | | | | |
| PID Protection | Optional | | | | |
| General Data | | | | | |
| Dimensions (mm) | 975W*680H*290D | | | | |
| Weight (KG) | 79 | | | | 82 |
| Protection Degree | IP65 | | | | |
| Self-consumption at Night (W) | < 1 | | | | |
| Topology | Transformer less | | | | |
| Operating Temperature Range (° C) | -30~60 | | | | |
| Relative Humidity (%) | 0~100 | | | | |
| Operating Altitude (m) | 4000 (derating@ > 3000) | | | | |
| Cooling | Smart Fan Cooling | | | | |
| Display | OLED & LED | | | | |
| Communication | RS485, WiFi/GPRS/LAN (Optional) | | | | |
| Compliance | NB/T 32004, IEC62109, IEC62116, VDE 4105, VDE 0126, AS4777, C10/11, CEI 0-21, RD1699, NBR16149, IEC61727, IEC60068, IEC61683, EN50549, EN61000 | | | | |