Document for Project\_Template

Basler DGC-2020HD Digital Generator Controller

Power Supply

* Rated: 12 or 24V  
  额定: 12或24V
* Range: 6-32 Vdc  
  范围: 6-32 Vdc
* Power consumption:  
  功耗:
  + Sleep mode: 12.7W  
    睡眠模式: 12.7W
  + Rated operation: 18.1W  
    额定运行: 18.1W
  + Maximum: 25W  
    最大: 25W
* Battery voltage crossover: 10Vdc start voltage, withstands crank voltage as low as 0V for up to 50ms.  
  电池电压穿越: 10Vdc启动电压，承受曲柄启动电压低至0V持续50ms。

Current Detection

* Continuous rating  
  连续额定
* 1-second rating  
  1秒额定
* Power consumption  
  功耗
* Measurement range  
  测量范围
* Measurement accuracy: Rated ±1%  
  测量精度: 额定±1%

Voltage Detection

* Range  
  范围
* Frequency  
  频率
* Frequency range  
  频率范围
* 1-second rating  
  1秒额定
* Power consumption  
  功耗
* Measurement range  
  测量范围
* Measurement accuracy: Rated ±1%  
  测量精度: 额定±1%

Frequency

* Measurement range: 10-90Hz  
  测量范围: 10-90Hz
* Measurement accuracy: ±0.25%  
  测量精度: ±0.25%

**电气数据 (Electrical data)**

**主要数据 (Main data)**

* **功率 (Power)**: 2 560 kVA / 2 048 kWe / 2 129 kWm
* **电压 (Voltage)**: 415 V
* **频率 (Frequency)**: 50 Hz
* **额定电压范围 (Rated voltage range)**: +5% / -5%
* **转速 (Speed)**: 1 500 rpm
* **功率因数 - 滞后 (Power factor - Lagging)**: 0.8
* **额定电流 (Nominal current)**: 3 561 A
* **相数 (Phases)**: 3
* **绝缘等级/温升 (Insulation / Temperature rise)**: H / H
* **连接方式 (Connexion)**: 星形串联 (Star serial)
* **冷却方式 (Cooling)**: IC01
* **绕组类型 (Winding type)**: p2/3
* **绕组 (Winding)**: 6 根线 (6 Wires)
* **环境温度 (Ambient temperature)**: 40 °C
* **海拔高度 (Altitude)**: 1 000 m
* **超速转速 (Overspeed (rpm))**: 1 800
* **运行类型 (Duty)**: 基础运行 (Base Rating)
* **总谐波失真 (THD) (Total Harmonic Distortion)**: < 3.5%