

TK-180T 180kVA/23KW ground AC/DC power supply vehicle

技术参数

Technical parameter

|     | 系统配置 System configuration features                 | 交流 (AC)  | 直流 (DC)    |
|-----|--|--|------------|
| 1.  | 容量 Capacity  | 180KVA (三相Three-phase) ;   | 23KW       |
| 2.  | 额定电压Rated Voltage                                  | 115V/200V  | 28.5V      |
| 3.  | 输出接线方式Output Connection                            | A、B、C、N  | 二线制 2-line |
| 4.  | 输出模式Output Mode                                    | 单路1-Way  | 单路 1-Way   |
| 5.  | 电压调节范围 Voltage Regulation Range                    | 103V~127V  | 20~32V;    |
| 6.  | 稳压电压范围 Stable Voltage Range                        | 113V~117V  | 26~30V     |
| 7.  | 额定频率 Rated Frequency                               | 400Hz  | /          |
| 8.  | 额定电流 Rated Current                                 | 522A   | 800A       |
| 9.  | 额定功率因素(cosΦ)Rated Power Factor                     | 0.8(lag)   | /          |
| 10. | 瞬态电压范围Transient-state Voltage                      | 90V~140V   | 17~35V     |
| 11. | 电压反应时间Voltage Response Time                        | <0.1s  | <0.1s      |
| 12. | 稳态频率范围Steady-statw Frequency                       | 400Hz±1%   | /          |
| 13. | 瞬态频率范围ransitent-state Frequency                    | 390Hz~410Hz  | /          |
| 14. | 频率稳定时间Frequency Response Time                      | ≤1s  | /          |
| 15. | 电压调制量Voltage Modulation                            | 3.5V   | /          |
| 16. | 频率调制量 Frequency Modulation                         | ≤2Hz   | /          |
| 17. | 峰值系数 Crest Factor                                  | 1.31~1.51  | /          |
| 18. | 总谐波含量 Total Harmonic Content                       | ≤4%  | /          |
| 19. | 脉动幅值 Fluctuating Amplitude                         | /  | ≤1.5V      |
| 20. | 纹波电压 Ripple Voltage                                | /  | ≤1%(rms)   |
| 21. | 畸变系数 Distortion Coefficient                        | ≤0.04  | ≤0.035     |
| 22. | 三相电压波形相位差Waveform Phase                            | 120° ±2°   | /          |
| 23. | 相电压不平衡Phase Voltage Imbalance                      | ≤3V  | /          |
| 24. | 过载性能 Overload Rating                               | 125% 10~15s;150% 2~5s  | 1200~2000A |
| 25. | 连续工作时间 Continuous Working Time                     | ≥8h  |            |
| 26. | 线压降补偿<br>Line voltage drop compensation            | 输出电缆线压降自动补偿<br>Output cable voltage drop automatic compensation function |            |
| 27. | 平均无故障时间 Mean Time BetweenFailure                   | MTBF≥1000h   |            |
| 28. | 平均修复时间 Mean Time To Repair                         | MTTR≤30min   |            |
| 29. | 使用寿命 Service Life                                  | ≥10年(Year)   |            |
| 30. | 环境温度 Environment Temperature                       | -30℃~+55℃  |            |
|     | 相对湿度 Relative Humidity                             | ≤90% (+25℃)  |            |
| 31. | 保护功能 Protection Function                           |  |            |
|     | 交流输出过、欠压保护 AC Output Over-voltage or Under-voltage |  |            |

|     |  |                                       |
|-----|--|---------------------------------------|
|     | 交流输出过、欠频保护 AC Output Over- frequency or Under- frequency   |                                       |
|     | 直流输出过、欠压保护 DC Output Over-voltage or Under-voltage   |                                       |
|     | 内部过热等保护 Internal Overheating And So On   |                                       |
|     | 水温高保护 Water Temperature Is High  |                                       |
|     | 柴油机机油压力低保护 Diesel Engine Oil Pressure Low  |                                       |
| 32. | 工作噪声 Working Noise   | <85dB(A) 7m                           |
| 33. | 显示 Display   | OLED屏 (OLED screen)                   |
| 34. | 显示精度 Display Accuracy  | ±1%FS (FS:满量程 FS:full range)          |
| 35. | 额定转速 Rated Speed   | 1846(rpm)                             |
| 36. | 冷却方式 Cooling   | 水冷+风冷(Water+Air)                      |
| 37. | 底盘 Chassis Choose  | 拖曳式(Towed)                            |
| 38. | 柴油发动机Diesel Engine   | 康明斯 (Cummins)                         |
|     | 型号Model  | 6LTAA8.9-G2                           |
|     | 额定功率Rated power  | 200kw                                 |
|     | 转速The rated speed  | 1846r/min                             |
|     | 类型Style  | 6缸4冲程 6cylinders, array, four stroke  |
|     | 进气方式Air inlet  | 增压, 中冷turbocharged, Intercooled       |
|     | 耗油率Specific fuel consumption   | ≤198g/kW·h                            |
|     | 启动方式Starting way   | 24V电起动 24V electric start             |
| 39. | 发电机Generator   | 中频发电机Intermediate frequency generator |
|     | 中频发电机输出115V/400Hz交流电; 再通过降压整流模块输出一路28.5V直流电<br>Intermediate frequency generator outputs 115V/400Hz AC; Then output a circuit of 28.5V DC through the step-down rectifier module. |                                       |
|     | 型号Model  | FSLW180                               |
|     | 额定功率Rated power  | 180KVA 400Hz AC                       |
|     | 转速The rated speed  | 1846r/min                             |
|     | 额定功率因素(cosΦ)Rated Power Factor   | 0.9(lag)                              |
| 40. | 外形尺寸(长×宽×高) (mm)<br>Dimension (L×W×H)  | 4500×1900×2000                        |
| 41. | 总质量 (kg)<br>Total Mass   | ≤4800                                 |
| 42. | 最高车速 (Km/h)<br>Max. speed  | 15~20km/h                             |

