| Model | ICR65-6500C | TR48-9000e | EVR100-10000 | ICR100-10000C | ICR130-10000C |
|---|---|---|---|---|---|
| **Input Parameters** | | | | | |
| Rated Input Voltage | 3-Phase, 380 Vac / 480 Vac | 3-Phase, 380 Vac / 480 Vac | 3-Phase, 380 Vac / 480 Vac | 3-Phase, 380 Vac / 480 Vac | 3-Phase, 380 Vac / 480 Vac |
| Input Voltage Range | 323 ~ 530 Vac (full load);<br>260 ~ 323 Vac (Linear derating to 50% load) | 305 ~ 530 Vac (full load);<br>260 ~ 305 Vac (linear derating to half load) | 305 ~ 530 Vac (full load);<br>260 ~ 305 Vac (linear derating to half load) | 323 ~ 530 Vac (full load);<br>260 ~ 323 Vac (linear derating to half load) | 323 ~ 530 Vac (full load);<br>260 ~ 323 Vac (linear derating to half load) |
| Input Current | < 13 A | < 16 A | < 20 A | < 20 A | < 20 A |
| Frequency | 45 Hz ~ 65 Hz | 45 Hz ~ 65 Hz | 45 Hz ~ 65 Hz | 45 Hz ~ 65 Hz | 45 Hz ~ 65 Hz |
| Power Factor (PF) | ≥ 0.99 | ≥ 0.99 | ≥ 0.99 | ≥ 0.99 | ≥ 0.99 |
| THDi | ≤ 5% | ≤ 5% | ≤ 5% | ≤ 5% | ≤ 5% |
| Input Protection | Fuse and lightning protection circuit | Fuse and lightning protection | Fuse; Surge Protection Circuit | Fuse; Surge Protection Circuit (SPD) | Fuse; Surge Protection Circuit |
| **Output Parameters** | | | | | |
| Rated Output Power | 6.5 kW | 9 kW | 10 kW | — | 10 kW |
| Output Rated Value | 65 V / 100 A | — | — | 100 V @ 100 A | — |
| Output Voltage Range | 16 V ~ 65 V | 20 ~ 58 Vdc | 30 ~ 100 Vdc | 30 ~ 100 V (Constant power 91 ~ 100 V, output power 10 kW) | 45 ~ 130 V |
| Constant Power Range | — | — | — | 91 V ~ 100 V | — |
| Rated Output Current | 100 A | 150 A | 100 A | — | — |
| Output Current Range | 0 ~ 100 A (T ≤ 60°C) | — | — | 0 ~ 110 A (T ≤ 55°C) | 0 ~ 100 A (T ≤ 60°C) |
| Adjustable Current Limiting | — | 10% ~ 110% Stepless | 10% ~ 110% Stepless Adjustable | — | — |
| Peak-to-Peak Ripple & Noise | ≤ 1.0% | ≤ 200 mV | ≤ 1.0% | ≤ ± 1.0% | ≤ ± 1.0% |
| Psophometrically Weighted Noise | — | < 2 mV | No requirement | — | — |
| Voltage Stabilized Accuracy | ≤ ± 0.5% | ≤ ± 0.5% | ≤ ± 0.5% | ≤ ± 0.5% | ≤ ± 0.5% |
| Current Regulation Accuracy | ≤ ± 1.0% | ≤ ± 1.0% | — | ≤ ± 1.0% | ≤ ± 1.0% |
| Current Sharing Error | ≤ ± 5.0% | ≤ ± 5.0% | ≤ ± 5.0% | ≤ ± 5.0% | ≤ ± 5.0% |
| Efficiency | ≥ 94.0% | ≥ 95.0% | ≥ 95.0% | ≥ 95.0% (peak) | ≥ 95.0% |
| Auxiliary Output | 12 V / 2 A; 12 V / 3 A (1 minute) | — | — | 12 V / 2 A; 12 V / 3 A (1 minute) | — |
| **Operating Environment** | | | | | |
| Operating Temperature Range | -40°C ~ +60°C (full load);<br>+60°C ~ +75°C (derating) | -40°C ~ 45°C (full load);<br>45°C ~ 65°C (derating) | -40°C ~ 50°C (normal operation);<br>50°C ~ 75°C (Derating Output) | -40°C ~ 55°C (normal operation);<br>55°C ~ 80°C (Derating Output) | -40°C ~ 60°C (normal operation);<br>60°C ~ 80°C (Derating Output) |
| Storage Temperature Range | -40°C ~ +75°C | -40°C ~ 75°C | -40°C ~ 75°C | -40°C ~ 75°C | -40°C ~ 75°C |
| Relative Humidity | 0% ~ 95% RH | 0% ~ 95% RH | 0 ~ 95% RH | 0 ~ 95% RH | 0 ~ 95% RH |
| Altitude | Below 2000m (Full Load Operation) | ≤ 2000m (full load output) | 2500m (full load output) | Below 2000m (full load output) | Below 2000m (full load output) |
| **Physical Characteristics** | | | | | |
| Dimensions (W×H×D) | 240×85×385.5 mm (Excl. Handle/Terminals);<br>240×85×429 mm (Incl. | 240×85×398 mm | 240×85×398 mm | 240×85×429 mm (Incl. Handle/Terminals) | 248×85×370 mm |
| Net Weight | Approx. 7 kg | 8 kg | 8 kg | Approx. 7 kg | Approx. 7 kg |

| | | | | | |
|---|---|---|---|---|---|
| **Communication & Control** | | | | | |
| Communication Interface | CAN Bus | CAN Bus | CAN Bus | CAN Bus | CAN Bus |
| Max. Paralleling Quantity | 60 Units | 60 Units | 60 Units | 60 Units | 60 Units |
| Alarm & Status Monitoring | CAN communication with system monitoring and three LED indicators | Uploaded via CAN Bus, indicated by panel LEDs | Alarms and status uploaded via CAN Bus;<br>3 panel LED indicators | Alarms and status uploaded via CAN Bus;<br>3 panel LED indicators | Alarms and status uploaded via CAN Bus;<br>3 panel LED indicators |
| **Protection & Function** | | | | | |
| Output Discharge Function | Supported | — | — | Supported | — |
| Output Protection | — | Output positive and negative fuse protection | Output positive/negative fuse protection | — | — |
| **Safety & Reliability** | | | | | |
| Dielectric Strength | Input-Output: 4242 Vdc;<br>Input-Chassis: 3535 Vdc;<br>Output-Chassis: 2121 Vdc;<br>COM-Chassis: 707 Vdc (1 min) | Input-Chassis: 2500 Vac / 3535 Vdc;<br>Input-Output: 3000 Vac / 4242 Vdc (1 min) | Input-Chassis: 2500 Vac / 3535 Vdc;<br>Input-Output: 3000 Vac / 4242 Vdc (1 min) | Input-Output, Input-COM: 4242 Vdc;<br>Input-Chassis: 3535 Vdc;<br>Output-Chassis, Output-COM: 2121 Vdc;<br>COM-Chassis: 707 Vdc (1 min) | Input-Output, Input-COM: 4242 Vdc;<br>Input-Chassis: 3535 Vdc;<br>Output-Chassis, Output-COM: 2121 Vdc;<br>[illegible] |
| MTBF | > 120,000 Hours | > 120,000 Hours | > 120,000 Hours | > 120,000 Hours | > 120,000 Hours |
| **Standards & Certifications** | | | | | |
| Safety Standard | IEC 62477-1 | — | — | IEC 62477-1 | — |