

**EGE 300**  
Series



**Ege 300 Series Technical Specifications**

10- 20 kVA 3 Phase Input - 3 Phase Output (HF) Online UPS

| MODEL                           | EGE 310   | EGE 315  | EGE 320 |
|---------------------------------|---|--|---------|
| Apparent Power (kVA)            | 10  | 15   | 20      |
| Active Power (kW)               | 8   | 12   | 16      |
| <b>INPUT</b>                    |   |  |         |
| Voltage                         | 400 Vac (3Ph+N)   |  |         |
| Voltage Range                   | 305-478 (3 Ph) @100%Load; 190-520 Vac (3Ph)@50% Load                                  |  |         |
| Frequency                       | 50/60 Hz  |  |         |
| Frequency Range                 | (46-54 Hz) / (56-64 Hz)   |  |         |
| Power Factor                    | ≥0.99@100% Load   |  |         |
| THDi                            | >3%   |  |         |
| <b>OUTPUT</b>                   |   |  |         |
| Voltage                         | 400 Vac (3Ph+N)   |  |         |
| Voltage Regulation (Batt. Mode) | ±1%   |  |         |
| Frequency                       | 50/60 Hz  |  |         |
| Frequency Range                 | Synchronized to Network (46-54Hz / 56-64 Hz) in Line mode; ± 0.05 Hz in Battery Mode  |  |         |
| Crest Ratio                     | 3:1   |  |         |
| Power Factor                    | 0.8   |  |         |
| THDv                            | <2% Lineer Load, <5% Non-Linear Load  |  |         |
| Transfer Time                   | AC to Batt. Mode  | Zero   |         |
|                                 | Inverter to ByPass  | Zero   |         |
| Overload                        | AC Mode   | 100%~110%: 10min, 110%~130%: 1min, >130% : 1sec  |         |
|                                 | Batt. Mode  | 100%~110%: 30min, 110%~130%: 10sec, >130% : 1sec |         |
| Efficiency                      | AC Mode   | 86%  | 89%     |
|                                 | Batt. Mode  | 89%  | 88%     |
| <b>BATTERY</b>                  |   |  |         |
| Battery Type                    | 12V/9 Ah  |  |         |
| Quantity                        | 20 pcs (18-20 Adjustable)   | 20 pcsx2 Strings (18-20 Adjustable)              |         |
| Typ. Recharge Time              | 9 Hours recover to 90% Capacity   |  |         |
| Max. Charge Current             | 1.0 A ± 10%   | 2.0 A ± 10%                                      |         |
| Charge Voltage                  | 273 VDC ± 1%  |  |         |
| <b>INDICATORS</b>               |   |  |         |
| LCD Display                     | UPS Status, Load Level, Battery Level, Input/Output Voltage, Discharge Time and Fault |  |         |
| Sound Alarms                    | Batt. Mode  | Sounding every 4 seconds                         |         |
|                                 | Low. Batt.  | Sounding every second                            |         |
|                                 | Overload  | Sounding twice every second                      |         |
|                                 | Fault   | Continuously sounding                            |         |
| <b>MANAGEMENT</b>               |   |  |         |
| Smart RS - 232 / USB            | Supports Windows 2000/2003/XP/Vista/2008, Windows 7/8, Linux, Unix, and MAC           |  |         |
| SNMP (Optional)                 | Power management from SNMP manager and web browser                                    |  |         |
| <b>ENVIRONMENTAL</b>            |   |  |         |
| Operating Temperature           | 0 ~ 40°C (the battery life will down when > 25°C)                                     |  |         |
| Storage Temperature             | -25°C~ 55°C   |  |         |
| Relative Humidity               | % 0-95 (Non-condensing)   |  |         |
| Protection Level                | IP21  |  |         |
| Acoustic Noise                  | <58 dB@1 Meter  | <60 dB@1 Meter                                   |         |
| <b>PHYSICAL</b>                 |   |  |         |
| Dimensions (WxDxH) mm           | 250x815x826   |  |         |
| Net Weight (kg)                 | 38  | 40   |         |
| <b>STANDARDS</b>                |   |  |         |
| Harmonized Standards            | EN 62040-1(LVD), EN 62040-2 (EMC), EN 62040-3   |  |         |

**GENERAL SPECIFICATIONS**

- True double-conversion
- DSP technology guarantees high performance
- Output power factor 0.8
- Wide input voltage range (110-300 VAC)
- Active power factor correction in all phases
- 50Hz/60Hz frequency converter mode
- ECO mode operation for energy saving
- Accepts dual-mains inputs
- Emergency power off function (EPO)
- Generator compatible
- SNMP+USB+RS-232 multiple communications
- 3 -stage extendable charging design for optimized battery performance
- Adjustable battery quantity
- Maintenance bypass available
- Optional N+X parallel redundancy
- Optional isolation transformer offers full isolation and complete common mode noise rejection

**ONLINE UPS**

EGE 300 Series UPS represents the best solution that is both cost effective and environmental friendly, it delivers an excellent integrated autonomy, reduced footprint and optimum input and output performances, guaranteeing reliable and flexible power.