EGE 100K Series

Ege 100K Series Technical Specifications
1-10 kVA 1 Phase Input - 1 Phase Output (HF) Online UPS

MODEL	EGE 106K	EGE 106KL	EGE 110K	EGE 110KL
Rated Power (kVA)	6		10	
Active Power (kW)	5,4		9	
INPUT				
Rated Voltage	220/230/240 Vac (1P+N+PE)			
Voltage Range	120~276 Vac			
Operating Frequency Range	50Hz: 45-55Hz: 60Hz: 54-66Hz (Auto Sensing)			
Harmonic Distortion (THDi)	<3% (100% Linear Load)			
Power Factor	0,99			
Bypass Voltage Range	Max. Voltage: 220Vac: +25%(optional+10%,+15%,+20%) 230Vac: +20%(optional+10%,+15%) 240Vac: +15%(optional+10%) Min.Voltage: -45% (optional -20%,-30%)			
ECO Range	Same as the Bypass			
Harmonic Distortion (THDİ)	<3% (100% Linear Load)			
Generator Input	Yes			
OUTPUT				
Rated Voltage	220/230/240 Vac (1P+N+PE)			
Voltage Regulation	±1%			
Frequency – Line	±1% / ±2%/ 4%/ ±5%/ ±10% of the Rated Frequency (Optional			
Frequency – Battery	50/60 ± 0,1 Hz			
Waveform	Pure Sine Wave			
Voltage Distortion (THDv)	≤ 2% (Linear Load); ≤ 5% (Non-Linear Load)			
Output Power Factor	0,9			
Crest Factor	3:1			
Efficiency	>93,5%			
SYSTEM FEATURES				
UPS Type / Technology	Standalone Tower Type / True Online Double Conversion			
Transfer Time	Mains to Battery: 0 ms. Mains to Bypass: 0 ms.			
Overload Capability – Line Mode	Load≤ 110%: 60min; ≤125%:10min, ≤150%:1min,>150% turn to bypass mode immediately			
Overload Capability – Bypass Mode	40A (Breaker)		60A (Breaker)	
Short Circuit	Hold Whole System			
Overheat	Line Mode: Switch to Bypass: Backup Mode: Shut down UPS immediately			
Low Battery Voltage	Alarm and Switch Off			
Battery	Advanced Battery Management			
LED & LCD Display	Line Mode, Batt Mode, Eco Mode, Bypass Mode, Battery Low, Overload & UPS Fault			
LCD Display	Input Voltage, Input Frequency, Output Voltage, Output Frequency, Load Percentage, Battery Voltage, Inner Temperature & Remaining Battery Backup Time			
Self - Diagnostics	Upon Power On and Software Control			
Communication Interface	USB (RS-232), SNMP card (optional), Relay card (optional)			
Audible & Visual Alarms	Line Failure, Battery Low, Overload, System Fault			
BATTERY				
Battery Voltage	±96/108/120 Vdc (Optional)			
Capacity	12V/7Ah/9Ah			
Typical Re-Charge Time	6-8 Hours (to 90% of full capacity)			
Charge Current	1A(Standard unit); long run unit max. current 10A (can be set according to battery capacity insalled)			
ENVIRONMENT				
Operating Temperature	0°C ~ 40°C			
Storage Temperature	-25°C ~ 55°C			
Relative Humidity	0-95% (non-condensing)			
Altitute	<1500m			
Audible Noise	<55 dBA			
STANDARDS				
LVD (Safety)	IEC / EN 62040-1 / IEC / EN 60950-1			
EMC	IEC/EN62040-2/IEC 61000-4-2/IEC61000-4-3/IEC61000-4-4/IEC61000-4-5/IEC61000-4-6/IEC61000-4-8			
PHYSICAL				
Dimensions (WxDxH) (mm)	250X502X616			
Weight (kg)	62	18	64	20

FEATURES

- N+X Parallel Redundancy
- Online Double Conversion with DSP Control
- Input Current Harmonic: <3%
- Optimization Battery Group, the Quantity of Battery: 16/18/20 pieces (optional)
- Output Power Factor is Changed When Selection Different Battery Quantity 16 pcs: 0.7PF; 18pcs:0.8PF; 20pcs:0.9PF
- Wide Input Voltage Range: 120-276Vac
- Wide Input Frequency Range (50Hz: 45-55Hz; 60Hz: 54-66Hz)
- Support Generator Input
- Support Economic (ECO) Operation Mode
- Self-Testing When UPS Startup
- Options: SNMP Card/Relay Card/ Parallel Board
- Cold start

ONLINE UPS

ESIS EGE 100K Series, produced with PWM and IGBT technology provide sinusoidal waveform output and contains advanced communication options. These series are 1 phase input, 1 phase output online UPS. ESIS EGE Series manufactured in different power ranges, are used to supply vital important equipment's such as medical analysis equipment's, operating rooms in hospitals, ultrasound equipment's, security systems, all kinds of automation systems, computer networks and communication systems. Thanks to higher protection providing technology. EGE series protect them from problems of utility failures and irregular voltage.