

EGE 100K Series

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



MODEL	EGE 101K	EGE 101KL	EGE 102K	EGE 102KL	EGE 103K	EGE 103KL
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Rated Power (kVA)	1		2		3	
Active Power (kW)	0,9		1,8		2,7	

INPUT						
Rated Voltage	200/208/220/230/240 Vac (1P+N+PE)					
Voltage Range	125~290±%5@0-60% Rated Load			135~290±%5@60-70% Rated Load		
	155~290±%5@70-80% Rated Load			175~290±%5@80-100% Rated Load		
Operating Frequency Range	40/70 Hz					
Power Factor	0,99					

OUTPUT							
Rated Voltage	200/208/220/230/240 Vac (1P+N+PE)						
Voltage Regulation	±1%						
Frequency	Line 47-53 Hz or 57-63 Hz (Synchronized Range)						
	Battery 50/60±0,1 Hz						
Waveform	Pure Sine Wave						
Voltage Distortion (THDv)	<3% (Linear load); <6% (Non-linear load)						
Output Power Factor	0,9						
Crest Factor	3:1						
Efficiency	Line Mode		88%		92%		
	Battery Mode		85%	86%	87%	88%	89%

SYSTEM FEATURES						
UPS Type / Technology	Standalone Tower Type / True Online Double Conversion					
Transfer Time	AC - Battery Zero					
	INV - Bypass 4 ms (Typical)					
Overload Capability	Ambient Temp. <35 °C	105%-110%: UPS shuts down after 10 minutes at battery mode or transfer to bypass when the utility is normal 110%-130%: UPS shuts down after 1 minutes at battery mode or transfer to bypass when the utility is normal >130%:UPS shuts down after 3 seconds at battery mode or transfer to bypass when the utility is normal				
	40°C < Ambient Temp. <35°C	105%-110%: UPS shuts down after 1 minutes at battery mode or transfer to bypass when the utility is normal >110%:UPS shuts down after 3 seconds at battery mode or transfer to bypass when the utility is normal				
Short Circuit	Hold Whole System					
Overheat	Line Mode: Switch to Bypass; Backup Mode: Shut down UPS immediately					
Low Battery Voltage	Alarm and Switch Off					
EPO (optional)	Shut down UPS Immediately					
Communication Interface	USB (or RS-232), SNMP Card (optional) Relay card (optional)					
Audible & Visual Alarms	Line Failure, Battery Low, Overload, System Fault					

BATTERY						
Rated Voltage / Capacity	2x12V/9 Ah		4x12V/9 Ah		6x12V/9 Ah	
Typical Charge Time	4 Hours to %90 Capacity					
Charge Voltage	27,4 Vdc±%1		54,7 Vdc±%1		82,1 Vdc±%1	
Charge Current	1A	12 A Max	1A	12 A Max	1A	12 A Max

ENVIRONMENT						
Operating Temperature	0°C ~ 40 °C					
Storage Temperature	-25°C ~ 55°C					
Relative Humidity	< 20-95% @ 0°- 40 °C (non-condensing)					
Altitude	< 1500 m					
Audible Noise	< 50 dBA					

STANDARDS						
LVD (Safety)	IEC/EN 62040-1 / IEC/EN 60950-1					
EMC	IEC/EN 62040-2/IEC61000-4-2/IEC61000-4-3/IEC61000-4-4/IEC61000-4-5/IEC61000-4-6/IEC61000-4-8					

PHYSICAL						
Dimensions (WxDxH) [mm]	144x293x209		144x399x209		191x460x337	144x399x209
Weight [kg]	9,8	4,1	17	6,8	27,6	7,4

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.

FEATURES

- True double-conversion
- Wide input voltage range (110-300 Vac)
- Input power factor correction 0.99
- Output Power Factor 0.9
- Maximum 12A charger for long-run models
- Charger current can be setting by LCD
- 50Hz/60Hz frequency converter mode
- Emergency power off function (EPO)
- Eco mode operation for energy saving (ECO)
- Generator compatible
- SNMP / USB / RS232 multiple communications
- Smart battery charger design for optimized battery performance
- Selectable output voltage: 200, 208, 220, 230, 240Vac