

CATALOGO

SISTEMI DI ALIMENTAZIONE

**UPS
GRUPPI DI CONTINUITA'
INVERTER DC/AC
CONVERTITORI DI FREQUENZA
STAZIONI DI ENERGIA AC/DC
CONDIZIONATORI DI RETE
STABILIZZATORI
SOCCORRITORI
BATTERIE**

**GRUPPI DI CONTINUITA'
TRIFASE/TRIFASE
SERIE EG1 33 – GALAXY1 33**



SHT-POWER

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EG1 - 33

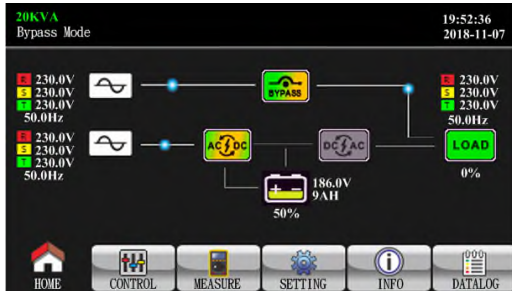
ON-LINE Statics UPS
Double conversion to sinusoidal wave
THREE PHASE/THREE PHASE

UPS

**On-Line triphase / triphase
Pure sinusoidal wave**

EG1 - 33

GALAXY 1 - 33



The EG1 - 33 – GALAXY 1 - 33 serie is available from 10 KVA to 80 KVA power with dual-conversion digital control on-line technology; This series, for its versatility, is suitable for powering any electrical and electronic system even in critical situations, as well as being able to be use it as a 50/60Hz frequency converter or using power generators.

FEATURES

• DOUBLE CONVERSION UPS

A real DOUBLE CONVERSION UPS that will provide a perfect current, for complete high quality protection for your sensitive devices, such as Network, Small Calculation Centers, Servers, Telecommunications, Healthcare/Hospital Appliances and industrial application in general

• OUTPUT POWER FACTOR ϕ 0.8

Comparing this UPS ON-LINE line with current marketing competition, we can say that GALAXY UPSs have the best output power factor 0,8 They offer high performance and efficiency for critical applications.

•DOUBLE INPUT

Galaxy1 33 has double input separated for line and By-Pass, for a higher flexibility in system configuration.

•ECO FUNCTION FOR THE ENERGY SAVING

Galaxy1 33 has ECO mode that improve the efficiency up to 98% to reduce the power consumption and the cost. In this mode the charges are powered directly from net. If network isn't available the UPS provides constantly the power to the device connected without interruption.



10 - 20 – 30 KVA

40 - 60 – 80 KVA

• 50/60 Hz FREQUENCY CONVERTER FUNCTION

Blocks the output frequency at 50Hz or 60Hz regardless of the input frequency and delates the By-Pass

• Emergency Power Off (EPO) FUNCTION

This function serves to the shutdown of the UPS from the staff in case of fire and other situation of emergency.

• CHARGER POWER ADJUSTABLE

This function allows to use the correct power of the charger in base of the equipe batteries. Adjustable up to 12A for models from 10K to 40K and up to 24A for models from 60K to 80K

• BATTERY CHARGER STUDIED FOR OPTIMIZE THE PERFORMANCE OF BATTERIES.

. UPS GALAXY 33 are equipped with a 3 steps ice battery extensible battery charger to optimize battery performance. This feature extends the autonomy and optimizes the battery recharging time, and the battery charge extension is also essential for recharging the batteries with the highest power used to gain long autonomy.

• BATTERY VOLTAGE ADJUSTABLE UPS GALAXY1 33 have the pissingity to adjuste the number of batterie sto connect from 32 to 40, toh ave the best flexibility o fuse and compatibilità. (no on 10 KVA)

•MANUAL BY-PASS FOR THE MAINTENANCE ON UPS

Manual By-Pass, ensures the lack of voltage inside of the UPS for maintenance, ensuring power to the connected equipment.

• REDUNDANT PARALLEL OPERATION

The GALAXY 33, can work in parallel redundant up to 3 units, which increases power capability, uninterrupted service safety.

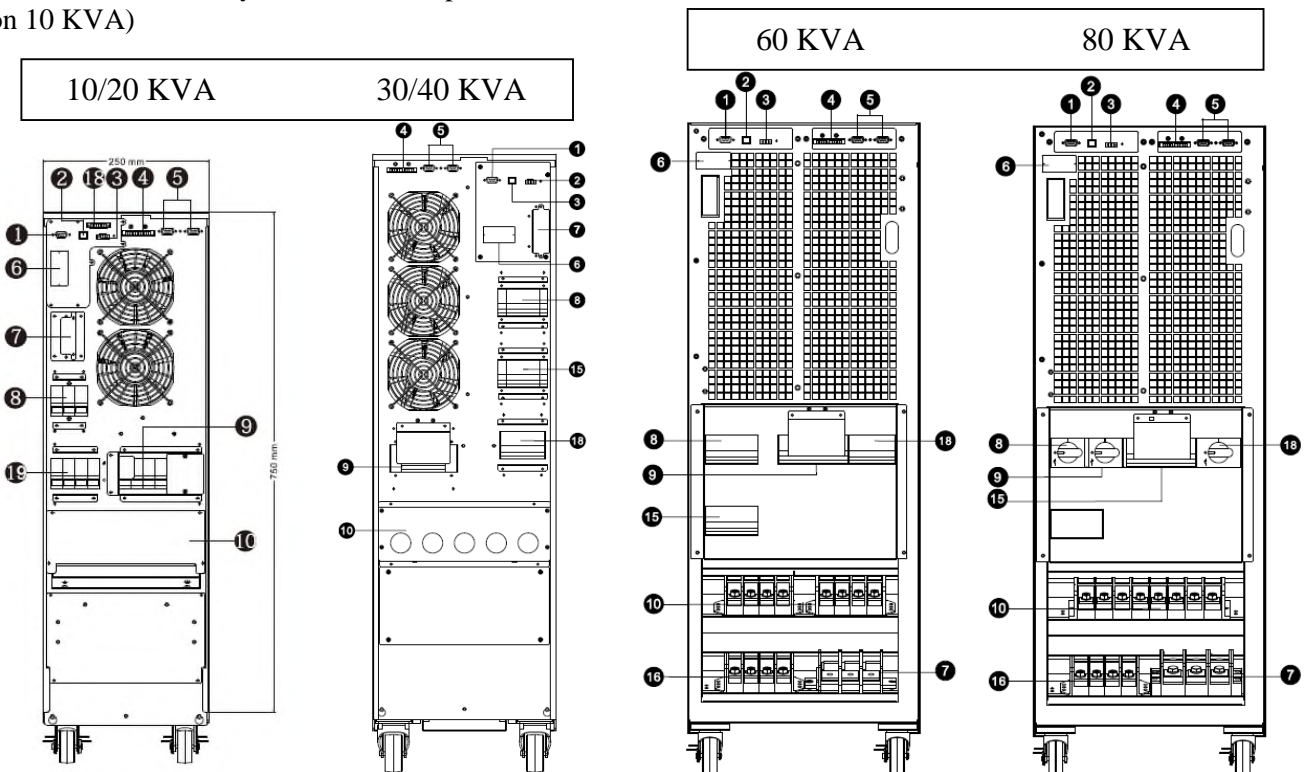
• Power Factor Correction ON ALL PHASES

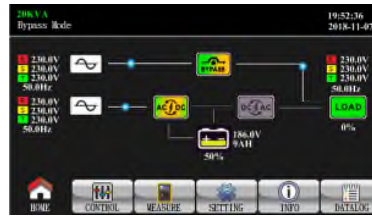
The PFC improbe the quality of the absorbed current and increases the energy yeld, with the consequent economics saving.

COMMUNICATION

Software for all operating system and network enviornments, Supervision and shutdown platform

24 MONTHS WARRANTY





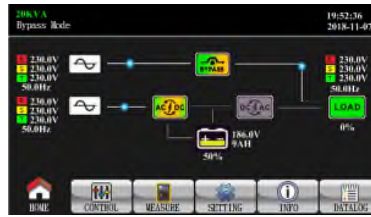
EG1 33 10K/40K three phase / three phase ONLINE UPS DOUBLE CONVERSION

MODEL	EG1 33-10K (S)	EG1 33-20K (S)	EG1 33-30K (S)	EG1 33-40K (S)
PHASE	Triphase input / triphase – monophase output		Triphase input / triphase output	
POWER	10 KVA / 10 KW	20 KVA / 20 KW	30 KVA / 30 KW	40 KVA / 40 KW
INPUT				
Nominal voltage	3 x 400Vac (Triphase with neutral on earth)			
Volt Range	305 - 478 VAC (F/F) @ 100% of charge 190 - 520 VAC (F/F) @ 50% of charge			
Range Frequency	46~54 Hz @ 50Hz / 56~64 Hz @ 60Hz			
Phases	Triphase with neutral on earth			
Power factor P.F.	≥ 0.99 @ 100% of charge			
OUTPUT				
Output voltage	3 x 360* - 380 - 400 - 415V Triphase with neutral 1 x 208 – 220 – 230 – 240V Monophase		3 x 360* - 380 - 400 - 415V Triphase with neutral	
Tolerance Volt (Batt. Mode)	± 1%			
Frequency(Range di sincronizzazione)	46~54 Hz @ 50 Hz / 56~64 Hz @ 60 Hz			
Frequency(Range Batt. Mode)	50 Hz ± 0.1 Hz o 60 Hz ± 0.1 Hz			
Crest current Ratio	3:1			
Harmonic distortion	≤ 2 % THD (linear charge) ≤ 5 % THD (not linear charge)			
Intervention time	Line to battery	Zero		
	Inverter to bypass	Zero		
Wave form (Batt. Mode)	SINUSOIDAL PURE			
Overcharge	Line mode	100%~110%: 60min; 110%~125%: 10min; 125%~150%:1min;>150% immediately		
	Battery mode	100%~110%: 60min; 110%~125%: 10min; 125%~150%:1min;>150% immediately		
EFFICIENCY				
With present line	95.5%			
With power from eco mode	98%			
With power from batteries	94.5%			
BATTERY				
Model Standard	Battery type	12 V / 9 AH		12 V / 7 AH
	Battery number	10+10	16+16	2 // 16+16
	Typical recharging time	9 ore 90% capacity		
	Charge current (max.)	1.0 A ~ 12.0 A adjustable		
	Charging Voltage	+/- 136.5 VDC +/- 10%		+/- 218 VDC +/- 10%
Model (S) long run	Battery type	It depends on the capacity of the external batteries according to the required autonomy		
	numbers	20	32 ~ 40 adjustable	
	Charge current (max.)	1.0 A ~ 12.0 A adjustable		
	Charging Voltage	+/- 136.5 VDC +/- 10%		+/- 13.65 VDC +/- 10% x N (N = 16 ~ 20 batt)
INDICATORS				
Panel LCD	4.3" coloredTouch, condition UPS, charge level, battery level, Voltage input/output, discharge time batt. Fault condition			
DIMENSIONS AND WEIGHTS				
Standard Model	Dimension, P x L x H (mm)	626 X 250 X 750		815 X 300 X 1000
	Nett weight (kg)	124	139	225
(S) long run Model	Dimension, P x L x H (mm)	626 X 250 X 750		815 X 300 X 1000
	Nett weight (kg)	28	43	60
ENVIRONMENTAL DATA				
Operating humidity	0-90 % RH @ 0- 40°C (without condense)			
Noise	< 60dBa @ 1 Metr	< 65 ~ 70 dB @ 1 Metr		
INTERFACE				
USB	Windows family, Linux, Unix and MAC			
Optional SNMP	Power management per SNMP manager e web browser			

* When output voltage is aduste on 3 x 360 VAC, output power will be reduced to 90%

(S) Identify long run models

Product specifications may be subject to change without notice



EGIS 33 10K/20K three phase / three phase ONLINE UPS DOUBLE CONVERSION SIONE		
MODEL	EGIS 33-60K	
PHASE	Triphase input / triphase output	
POWER	60 KVA / 60 KW	80 KVA / 80 KW
INPUT		
Nominal Voltage	3 x 400Vac (Triphase with neutral on earth)	
Voltage Range	305 - 478 VAC (F/F) @ 100% of charge 190 - 520 VAC (F/F) @ 50% of charge	
Frequency Range	46~54 Hz @ 50Hz / 56~64 Hz @ 60Hz	
Phase	(Triphase with neutral on earth)	
Power factor P.F.	≥ 0.99 @ 100% of charge	
OUTPUT		
Output voltage	3 x 360* - 380 - 400 - 415V Triphase with neutral	
Tolerance Volt (Batt. Mode)	± 1%	
Frequency (Range of syncro)	46~54 Hz @ 50 Hz / 56~64 Hz @ 60 Hz	
Frequency(Range Batt. Mode)	50 Hz ± 0.1 Hz o 60 Hz ± 0.1 Hz	
Crest current Ratio	3:1	
Harmonic distortion	≤ 2 % THD (linear charge) ≤ 5 % THD (not linear charge)	
Intervention time	Line to battery	Zero
	Inverter to bypass	Zero
Wave form (Batt. Mode)		
Overcharge	Line mode	100%~110%: 60min; 110%~125%: 10min; 125%~150%:1min;>150% immediately
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EFFICIENCY		
With present line	95.5%	
With power from eco mode	98%	
With power from batteries	94.5%	
BATTERY		
(S) long run Model	Battery type	It depends on the capacity of the external batteries according to the required autonomy
	numbers	32 ~ 40 adjustable
	Charge current (max.)	2 A ~ 24 A adjustable
	Charging Voltage	+/- 13.65 VDC +/- 10% x N (N = 16 ~ 20 batt)
INDICATORS		
Panel LCD	4.3" coloredTouch, condition UPS, charge level, battery level, Voltage input/output, discharge time batt. Fault condition	
DIMENSIONS AND WEIGHTS		
Dimensioni, P x L x H (mm)	Dimensions, P x L x H (mm)	815 X 300 X 1000
	Nett weight (kg)	108
		113
ENVIRONMENTAL DATA		
Operating humidity	0-90 % RH @ 0- 40°C (without condensenza)	
Noise	< 70dBA @ 1 Metr	< 75 dB @ 1 Metr
INTERFACE		
USB	Windows family, Linux, Unix and MAC	
Optional SNMP	Power management per SNMP manager e web browser	

* When output voltage is aduste on 3 x 360 VAC, output power will be reduced to 90%

(S) Identify long run models

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