

# H series

Three Phase 15-30kVA

## Uninterruptible Power Supply

The H series is an on-line three phase UPS which provides quality power for IT rooms, SMBs, telecommunications, banking and industry. With dual mains input, it guarantees higher reliability for your mission critical applications.

The H series has an inbuilt manual bypass switch to keep power uninterrupted during maintenance. It is available in 3p-3p or 3p-1p models depending on your power needs.



### Availability

- Wide input voltage range reduces the chance of using the battery.
- Hot-standby installation capability.
- Built-in maintenance and static bypass switch.
- 3p-3p and 3p-1p models are available.

### Flexibility

- SNMP/RS232/AS400/Dry contact connectivity with power management software.
- EPO (Emergency Power Off) function.
- Optional extended battery cabinet for longer backup time.

### Lowest Total Cost Of Ownership

- High input power factor (pf > 0.95). Savings in installation costs.
- Economy mode for energy and operation cost savings.



Data Center



Telecom



Industry



Network



Security



Labs



Medical



Metro

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## Technical Specifications

Model		GES153H 3/1	GES153H 3/3	GES203H 3/1	GES203H 3/3	GES303H 3/3
Power Rating		15kVA / 12kW		20kVA / 16kW		30kVA / 24kW
Input	Rating Voltage	V 380/220, 400/230, 415/240 (3phase, 4-wire plus ground)				
	Voltage Range	V 270 ~ 485 (line-line) / 156 ~ 280 (line-neutral)				
	Power Factor	> 0.95				
	Frequency	Hz 50 or 60 ± 3				
Output	Voltage	V 3/3 model : 220/380, 230/400, 240/415 (3phase, 4-wire plus ground) 3/1 model : 220/230/240 (single phase)				
	Voltage Harmonic	% ≤ 3 (linear load)				
	Voltage Regulation	% ± 2				
	Frequency	Hz 50 or 60 ± 0.1				
	Overload	≤10 2% : Continuous ; 102~125% : 1 minute ; 125~150% : 0.5 minute ; >150% : 2 seconds				
Battery	Rating Voltage	V 240Vdc				
	Recharging Capability	Built-in : 2.6 Amp ; Optional extra charger : 5 Amp (external installation)		Built-in : 5.2 Amp ; Optional extra charger : 5 Amp (external installation)		
	Electrical Connection	Cable				
Display	LED	UPS status : Mains input, Bypass input, AC-DC, DC-AC, Backup, Bypass, Output				
	LCD	Input/Output, Bypass, Inverter, Frequency, Loading and battery voltage, Abnormal message and intelligent self diagnosis				
Interface	Standard	RS232 x 1, SNMP slot x 1, AS400 x 1, Dry contact x 1				
	Optional Accessories	SNMP card, Modbus card, Relay I/O control card, EnviroProbe, SNMP+5 ports hub				
Conformance	Safety	CE, EN62040-1-1				
	EMC	CISPR 22 ClassA				
Others	Emergency Power Off	Local and remote				
	Maintenance Bypass Switch	Built-in				
	Extended Battery Cabinet	Optional (Two types : 26Ah or 40Ah)				
	Battery-Start	Yes				
Overall	Efficiency	Normal (AC-AC)	% 3/3 model : 90 (full load) 3/1 model : 87 (full load)			
		Economic	% 3/3 model : 97 (full load) 3/1 model : 95 (full load)			
	Temperature	°C	0 ~ 40			
	Relative Humidity	%	5 ~ 95% (non-condensing)			
	Noise (one meter)	dBA	< 60			
	Dimensions (WxDxH)	mm	380 x 650 x 860 (UPS and battery cabinet are the same)			
	Weight	3/3 Model	kg 108			
3/1 Model		210	220	240		

All specifications are subject to change without prior notice.



Control and LCD Display Panel



Extended Battery Cabinet



Power Management Software



Delta offers full-scale UPS solutions from 0.6kVA to 4000kVA to fulfill all your power security needs.

