Genesis 2Plus Series

Power range: 1 KVA to 3 KVA

Hajir Sanat

MODEL		1KVA i	1KVA	2KVA i	2KVA	3KVA i	3KVA
PHASE		Single phase with ground					
Capacity (VA/Watts)		1000VA / 900W		\ 2000VA 1800W		3000VA / 2700W	
INPUT							
Nominal voltage		208/220/230/240VAC					
Operating voltage range (Ambient Temp. <40℃)	Low line transfer	176Vac±5% @100%-50% load; 110Vac±5% @50%-0% load;					
	High line transfer	264Vac±5% @100%-50% load; 300Vac±5% @50%-0% load;					
Operating frequency range		40-70Hz					
Power factor		0.98@100% load(Nominal Input Voltage)					
Bypass voltage range		Bypass high voltage point 230-264: setting the high voltage point in LCD from 230Vac to 264Vac. (Default: 264Vac) Bypass low voltage point 176-220: setting the low voltage point in LCD from 170Vac to 220Vac. (Default: 170Vac)					
Generator input		Support					
OUTPUT							
Output voltage		208/220/230/240Vac					
Power factor		0.9					
Voltage regulation		±1%					
Frequency	Line Mode (synchronized range)	46-54Hz or 56-64Hz					
	Bat. Mode	(50/60±0.1)Hz					
Crest factor		3:1					
Harmonic distortion (THDv)		≤3% THDwith linear load ≤5% THD with non linear load					
Waveform		Pure Sinewave					
Transfer time	AC mode <->Batt. mode	Zero					
	Inverter <-> bypass	4ms(Typical)					
Efficiency	Line mode	88%		90%		90%	
	Batt mode	85%					
BATTERY							
Battery Type		12V9AH	depends on the capacity of external batteries	12V9AH	depends on the capacity of external batteries	12V9AH	depends on the capacity of external batteries
Numbers		2	2	4	4	8	8
Backup time		Long run unit depends on the capacity of external batteries					
Typical recharge time(standard modle)		4 hours recover to 90% capacity (Typical)					
Charging voltage		27.4 VDC ±1%	27.4 VDC ±1%	55 VDC ±1%	55 VDC ±1%	110 VDC ±1%	110V DC ±1%

Charge current		1A	12A	1A	12A	1A	12A
SYSTEM FEATURES							
Overload	Line Mode Battery Mode	105%~125%: UPS transfer to bypass after 1minute when the utility is normal 125%~130%: UPS transfer to bypass after 30 seconds when the utility is normal >130%: UPS transfer to bypass immediately 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					
Audible & Visual alarms		Line Failure, Battery Low, Overload, System Fault					
Comunication interface		USB(or RS232), SNMPcard(optional), Relay card (optional)					
ENVIRONMENTAL							
Operating temperature		0℃～40℃					
Storage temperature		-25℃～55℃					
Humidity range		20-90 % RH @ 0- 40°C (non-condensing)					
Altitude		< 1500m					
Noise level		Less than 55dBA at 1 Meter					
PHYSICAL							
Dimension W×H×D (mm)		144* 209* 293	144* 209* 293	191* 337* 460			
Net Weight (kg)		9.3	4.1	19.5	10	32.8	10
STANDARDS							
Safety		IEC/EN62040-1,IEC/EN60950-1					
EMC		IEC/EN62040-2,IEC61000-4-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4, IEC61000-4-5,IEC61000-4-6,IEC61000-4-8					

* Derate to 80% of capacity when the output voltage is adjusted to 208VAC

** Derate to 75% of capacity when the Input voltage frequency out of range(50/60±4Hz)

*** Product specifications are subject to change without further notice.

