Technical Specifications

MGE Galaxy 5500

20–120 kVA 400 V





by Schneider Electric

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Technical Data

Model List

Single UPSs

- MGE Galaxy 5500 20 kVA 400 V
- MGE Galaxy 5500 30 kVA 400 V
- MGE Galaxy 5500 40 kVA 400 V
- MGE Galaxy 5500 60 kVA 400 V
- MGE Galaxy 5500 80 kVA 400 V
- MGE Galaxy 5500 100 kVA 400 V
- MGE Galaxy 5500 120 kVA 400 V

Integrated Parallel UPSs

- MGE Galaxy 5500 20 kVA 400 V
- MGE Galaxy 5500 30 kVA 400 V
- MGE Galaxy 5500 40 kVA 400 V
- MGE Galaxy 5500 60 kVA 400 V
- MGE Galaxy 5500 80 kVA 400 V
- MGE Galaxy 5500 100 kVA 400 V
- MGE Galaxy 5500 120 kVA 400 V

For India a Rodent Mesh Device is added to the UPS.

Input Power Factor

25% load		50% load		75% load		100% load		
	Linear load	Non-linear load	Linear load	Non-linear load	Linear load	Non-linear load	Linear load	Non-linear load
60 kVA	0.967	0.931	0.997	0.994	0.997	0.997	0.995	0.997
120 kVA	0.963	0.939	0.998	0.995	0.988	0.999	0.995	0.997

Measurements: Vin = 400 V and Vout = 400V

Efficiency

Measurements: Vin = 400 V and Vout = 400V; Load used \rightarrow RL

The table below shows the average system efficiencies with a balanced linear load and PF=0.9

System	25% load	50% load	75% load	100% load
20 kVA	76.51	86.78	89.53	91.42
30 kVA	83.45	89.73	91.66	92.37
40 kVA	85.86	91.56	92.43	92.65
60 kVA	89.73	92.58	92.73	92.47
80 kVA	90.23	93.14	93.58	93.42
100 kVA	90.22	93.08	93.62	93.56
120 kVA	90.51	93.60	93.78	93.16

Efficiency Curves



Derating due to Load Power Factor

20 kVA	Derating in kVA as a function of the load cos phi	kVA (in kW) 400 V
inductive	0,6	20.17 (12.1)
	0,7	20.04 (14.12)
	0,8	19.99 (16.00)
	0,9	20.18 (18.24)
resistive	1	19.67 (19.67)
	[Γ
30 kVA	Derating in kVA as a function of the load cos phi	kVA (in kW) 400 V
inductive	0,6	30.4 (18.18)
	0,7	
	0,8	30.18 (24.13)
	0,9	30.25 (27.22)
resistive	1	30.05 (30.05)
	[Γ
40 kVA	Derating in kVA as a function of the load cos phi	kVA (in kW) 400 V
inductive	0,6	40.18 (24.23)
	0,7	40 (28.07)
	0,8	40.05 (32.03)
	0,9	39.58 (35.73)
resistive	1	39.6 (39.6)
60 kVA	Derating in kVA as a function of the load cos phi	kVA (in kW) 400 V
inductive	0,6	61.17 (36.78)
	0,7	61.09 (42.84)
	0,8	61.09 (48.89)
	0,9	61.13 (55.06)
resistive	1	56.48 (56.48)
80 kVA	Derating in kVA as a function of the load cos phi	kVA (in kW) 400 V
inductive	0,6	81.86 (491.9)
	0,7	82.36 (57.65)
	0,8	82.18 (65.82)
	0,9	81.46 (73.31)
resistive	1	81.23 (81.18)

100 kVA	Derating in kVA as a function of the load cos phi	kVA (in kW) 400 V
inductive	0,6	101.13(60.55)
	0,7	101.49(70.50)
	0,8	100.96(80.57)
	0,9	101.26(90.75)
resistive	1	98.96(98.96)
120 kVA	Derating in kVA as a function of the load cos phi	kVA (in kW) 400 V
inductive	0,6	122.43 (73.52)
	0,7	122.90 (86.11)
	0,8	122.93 (98.58)
	0,9	122.58 (110.59)
resistive	1	120.01 (120.01)

Batteries

Efficiency DC to AC

	20 kVA	30 kVA	40 kVA	60 kVA	80 kVA	100 kVA	120 kVA
Efficiency at nominal battery voltage (%)	91.13	95.29	95.36	94.86	96.74	94.98	95.09

Battery Run-Times



Note: The below battery runtimes are based on high quality batteries from approved manufacturers.



Note: The battery runtimes are based on high-rate batteries designed for UPS systems.



Note: The battery runtimes are intended as a guide only, and APC by Schneider Electric disclaim the responsibility for these runtimes.

Measured with RL cosf = 0.9

20 kVA

Battery Ah		Load			
Battery type	*10 hr rate	100%	75%	50%	25%
YUASA	5 mn	17.7	26.4	41.9	111.3
EXIDE	5 mn	15.9	22.5	37.5	91.5
YUASA	10 mn	17.7	26.4	41.9	111.3

EXIDE	10 mn	15.9	22.5	37.5	91.5
YUASA	15 mn	17.7	26.4	41.9	111.3
EXIDE	15 mn	15.9	22.5	37.5	91.5
YUASA	30 mn	29.4	44.1	75.3	176.1
EXIDE	30 mn	27.4	40.3	78.2	182.1
* Approximately equivalent 10 hr rate					

30 kVA

Battery Ah		Load	Load				
Battery type	*10 hr rate	100%	75%	50%	25%		
YUASA	5 mn	8.2	14.5	26.4	62.5		
EXIDE	5 mn	8.9	13.4	22.5	55.5		
YUASA	10 mn	17.9	24.9	44.1	106.8		
EXIDE	10 mn	15.5	23	40.3	106.9		
YUASA	15 mn	17.9	24.9	44.1	106.8		
EXIDE	15 mn	15.5	23	40.3	106.9		
YUASA	30 mn	35.2	50.1	78.8	190.4		
EXIDE	30 mn	36.4	51.7	78.3	187.9		
* Approximately equivalent 10 hr rate							

40 kVA

Battery Ah		Load					
Battery type	*10 hr rate	100%	75%	50%	25%		
YUASA	5 mn	5.6	7.2	17.7	47.0		
EXIDE	5 mn	5.5	8.9	15.9	43.0		
YUASA	10 mn	11.5	17.9	29.4	85.4		
EXIDE	10 mn	10.5	15.5	27.4	83.1		
YUASA	15 mn	15.9	22.3	38.7	107.1		
EXIDE	15 mn	13.7	20.3	35.6	107.2		
YUASA	30 mn	29.2	41.5	67.1	176.8		
EXIDE	30 mn	28.1	39.2	62.8	162.9		
* Approximately equivalent 10 hr rate							

60 kVA

Battery Ah		Load				
Battery type	*10 hr rate	100%	75%	50%	25%	
YUASA	5 mn	7.0	11.4	20.3	52.9	
EXIDE	5 mn	7.1	12.8	22.3	57.0	
YUASA	10 mn	12.8	20.5	35.2	78.8	
EXIDE	10 mn	12.8	21.3	36.4	78.3	
YUASA	15 mn	15.8	24.5	41.5	91.2	
EXIDE	15 mn	14.0	23.3	39.2	84.0	
YUASA	30 mn	33.2	40.2	61.6	154.1	

EXIDE	30 mn	30.6	44.5	71.1	164.4		
* Approximately equivalent 10 hr rate							

80 kVA

Battery Ah		Load	Load				
Battery type	*10 hr rate	100%	75%	50%	25%		
YUASA	5 mn	7.8	13.5	24.6	55.5		
EXIDE	5 mn	9.2	13.4	26.0	59.9		
YUASA	10 mn	9.2	15.5	27.9	61.4		
EXIDE	10 mn	9.8	14.7	28.2	60.4		
YUASA	15 mn	15.0	16.5	39.7	82.4		
EXIDE	15 mn	16.4	25.5	41.4	86.9		
YUASA	30 mn	30.0	44.3	72.1	156.9		
EXIDE	30 mn	27.8	40.4	65.1	141.4		
* Approximately equivalent 10 hr rate							

100 kVA

Battery Ah		Load	Load				
Battery type	*10 hr rate	100%	75%	50%	25%		
YUASA	5 mn	5.8	10	19	46		
EXIDE	5 mn	6.4	9.7	17	42.6		
YUASA	10 mn	10	14.5	28.7	62.8		
EXIDE	10 mn	10.5	17.8	30.2	66.7		
YUASA	15 mn	19	28.6	47.9	103		
EXIDE	15 mn	16.5	26.4	43.5	92.4		
YUASA	30 mn	29.7	40	63	143		
EXIDE	30 mn	30.6	43.7	70	160		
* Approximately equivalent 10 hr rate							

120 kVA

Battery Ah		Load	Load				
Battery type	*10 hr rate	100%	75%	50%	25%		
YUASA	5 mn	8	14.7	21.2	56.8		
EXIDE	5 mn	7.2	13	24.7	56.2		
YUASA	10 mn	10	14.5	30	63.1		
EXIDE	10 mn	10.5	17.9	30.8	68.2		
YUASA	15 mn	16	24.3	42	91.7		
EXIDE	15 mn	14.1	23	39.2	83.8		
YUASA	30 mn	31.3	45.8	76.4	167.2		
EXIDE	30 mn	30.7	43.8	71.2	164.1		
* Approximately equivalent 10 hr rate							

Battery Discharge Current

	20 kVA	30 kVA	40 kVA	60 kVA	80 kVA	100 kVA	120 kVA
Ibat @ Vbat nominal, 100% load (A)	55	84	112	170	226	282	347
Ibat @ Vbat min, 100% load (A)	68	101	135	203	270	338	405

End of Discharge Voltage



Communication and Management

Relay Communication Card

Output Contacts

Pin	Description
6	General alarm
5	Battery fault
4	Load on UPS
3	Load on automatic bypass
2	Load on battery power
1	Low battery warning



Input Contacts

Pin	Description
А	UPS OFF
В	UPS ON

Network Management Card

This UPS is equipped with one Smart-Slot which enables the use of one Network Management Card (NMC). By default, the UPS is shipped with the **AP9635** NMC.



This NMC provides the following Network Management features:

Browser accessible

• View the user interface with a browser

Notification

• Be notified of problems to ensure that crucial situations are dealt with in a timely manner

Data logging

• Identify problematic trends before they escalate or export the data log for analysis

Event logging

• Pinpoint the timing and sequence of events leading up to an incident with the event log

PowerChute Network Shutdown compatible

· Reliable network-based shutdown of multiple servers on single or parallel UPS installation

InfraStruXure Central compatible

• An IT-ready, scalable monitoring system that collects, organizes, and distributes critical alerts, surveillance video and key information, providing a unified view of complex physical infrastructure environments from anywhere on the network

Features specific to the AP9635 NMC

- Modbus RTU over RS485
- Remote monitoring via Modem with Teleservice system
- One universal input/output port, to which you can connect:
 - Temperature (AP9335T) or temperature/humidity sensors (AP9335TH)
 - Relay input/output connectors that support two input contacts and one output relay (using AP9810 Dry Contact I/O Accessory)

EPO Options

An optional Emergency Power Off or Remote Emergency Power Off can be connected to the UPS system.

Pressing the general shutdown button causes UPS shutdown and opening of the battery circuit breaker (with opening of the bypass static switch depending on customisation settings). The Remote Emergency Power Off (REPO) notion is applicable to installations where pressing the button also causes the upstream Normal AC source and AC bypass source circuit breakers to open. In parallel systems, there must be a single general shutdown button with a separate contact for each UPS unit.

Compliance

Regulatory Approvals	EN/IEC 62040-3
	EN/IEC 62040–1
	EN/IEC 62040–2
Standard Warranty	1 year repair or replace

Facility Planning

AC Input

AC input	20 kVA	30 kVA	40 kVA	60 kVA	80 kVA	100 kVA	120 kVA
Rated current ¹ Normal AC input (A)	32	45	57	87	115	143	171
Rated current ¹ AC Bypass input (A)	29	44	58	87	116	145	174
Maximum Continuous input current at U=400 V (A)	33	46	58	88	116	145	173
Input current at U=400V overload=1.25 In limited to 10 min. (A)	39	56	72	108	145	181	217
Input current at U=400V overload=1.5 In limited to 1 min. (A)	47	68	87	130	174	217	260
THDI	< 3% at full load < 5% at 25–75% load						
Maximum Short Circuit Withstand (kA)	20 30						
Input/output fuse ratings (A)	125	125	125	125	160	315	315
¹ Rated currents with battery float charging. U normal AC input = U, AC bypass input = U, load = $400 \text{ V} / \text{P}$ load = PN / load cos phi = 0.9							

Normal AC characteristics

	Standard UPS	UPS with backfeed protection
Input voltage (V)	380-400-415	380-400-415
Input voltage range permitted by the standard according to the curve below (V)	250 to 470	342 to 470
Input frequency (Hz)	45 to 65	45 to 65

Power supplied as a function of input voltage



AC Bypass

	20 kVA	30 kVA	40 kVA	60 kVA	80 kVA	100 kVA	120 kVA
Numbers of conductors	3 phases + neutral						
Input voltage (V)	380 to 443						
Input frequency (Hz)	45 to 65						

AC Output

	20 kVA	30 kVA	40 kVA	60 kVA	80 kVA	100 kVA	120 kVA		
Overload Capacity	125% for 10 minutes 150% for 1 minute 220% for 0.1 second								
Voltage Tolerance (V)	380-415 ± 34	380-415 ± 3%							
Nominal Output Current	29	44	58	87	116	145	174		
Output current limitation (A)	190			240	360	480			
Output Frequency	50 Hz or 60 Hz								
THDU	$\leq 1\%$ phase to $\leq 2\%$ phase to $\leq 2\%$ phase to $\leq 1\%$ phase	\leq 1% phase to phase, \leq 1.5% phase to neutral for linear loads \leq 2% phase to phase, \leq 3.5% phase to neutral for non-linear loads							
Crest factor	6.55	4.41	3.27	2.75	3.12	3.33	2.77		

Permissible UPS overloads as a function of time



Batteries

Sealed lead-acid battery (gas-recombination)

	DC power in KW							
	Load 25 %	Load 50 %	Load 75 %	Load 100 %				
20 kVA	6	10.2	14.5	18.9				
30 kVA	8.1	14.5	21	27.3				
40 kVA	10.2	18.7	27.1	35.6				
60 kVA	14.7	28.33	42.05	56.32				
80 kVA	19.95	36.92	55.32	74.42				
100 kVA	25.08	47.94	70.98	94.75				
120 kVA	29.46	56.59	85.01	113.57				

DC power levels for battery sizing

Maximum current with battery at end of discharge

	Battery (A)	Load (A)
20 kVA	68	29
30 kVA	101	44
40 kVA	135	58
60 kVA	203	87
80 kVA	270	116
100 kVA	338	145
120 kVA	405	174

Recommended Protective Devices and Cable Sizes

Selection of protection devices

UPS with common normal and AC Bypass inputs



UPS with separate normal and AC Bypass inputs



Recommended upstream protection

UPS power rating	Upstream circuit breaker on separate Normal AC input	Upstream circuit breaker on separate AC Bypass input	Upstream circuit breakers on common bypass and Normal AC input
20 kVA	C60L - 50A	NSX 100F 4P-TM100D	NSX 100F 4P-TM100D
30 kVA	C60L - 63A	NSX 100F 4P-TM100D	NSX 100F 4P-TM100D
40 kVA	NSX 100F 3P- TM80D	NSX 100F 4P-TM100D	NSX 100F 4P-TM100D
60 kVA	NSX 160F 3P-TM125D	NSX 160F 4P-TM125D	NSX 160F 4P-TM125D
80 kVA	NSX 160F 3P-TM160D	NSX 160F 4P-TM160D	NSX 160F 4P-TM160D
100 kVA	NSX 250F 3P-TM200D	NSX 250F 4P-TM250D	NSX 250F 4P-TM250D
120 kVA	NSX 250F 3P-TM250D	NSX 250F 4P-TM250D	NSX 250F 4P-TM250D



Note: The circuit breakers recommended above are for a 36 kA breaking capacity. The circuit breakers recommended above follow the requirements for discrimination with the UPS fuses.



WARNING: Stick a label with the following text on each upstream circuit breaker: "Isolate Uninterruptible Power Supply (UPS) before working on this circuit".

Recommended downstream protection

N type curve for the downstream circuit breaker may be replaced by H or L type curve, depending on the installation. The indicated protection ensures discrimination for each output circuit downstream of the UPS, whether supplied via the normal or the AC Bypass source. If these recommendations are not followed, a short-circuit on an output circuit can result in a break in power longer than 20 milliseconds on all the other output circuits.

UPS power rating	Downstream circuit breaker	Trip unit
20-30-40 kVA	C60N	C 16A
	C60N	B 25A
60 kVA	C60N	C 20A
	C60N	B 32A
80 kVA	C60N	C 25A
	C60N	B 50A
100 – 120 kVA	C60N	C 32A
	C120N	B 63A
	NSX100	TMG 63A

Earth-leakage current

UPS earth-leakage current is 1A.

Fuses

Time/current curves for UPS input and output fuses:



Recommended cable sizes

UPS power	Minimum sizes f	Battery/terminal				
rating	Separate Normal AC (mm ²)	Separate AC Bypass (mm²)	Common Normal AC and AC Bypass (mm ²)	Load-circuit (mm²)	connection (<15 m) (mm ²)	
20 kVA	10	16	16	16	16	
30 kVA	16	16	16	16	25	
40 kVA	16	16	16	16	35	
60 kVA	25	25	25	25	70	
80 kVA	50	50	50	50	95	
100 kVA	50	70	70	70	2 x 50	
120 kVA	70	70	70	70	2 x 70	

Connections are made to pre-drilled terminals. Hole diameter: 6.5 mm (8.5 mm for 120 kVA).

PE-cables (Protective Earth cables) connect to the earthing terminal. Hole diameter: 6.5 mm (8.5 mm for 120 kVA).

Physical

Weights and Dimensions

Cabinet	Min weight kg (without batteries or trans- former)	Max weight kg (with batteries)	Max weight kg (with trans- former)	Height mm	Width mm	Depth mm			
UPS 20–60 kVA	400			1900	712	850			
UPS 80–120 kVA	520			1900	712	850			
UPS 20–60 kVA with internal battery	550 *	1045 **		1900	1112	850			
Battery cabinet (700 mm)	180	890		1900	712	850			
Battery cabinet (1000 mm)	220	1350		1900	1112	850			
Auxiliary cabinet (475 mm)	105		305	1900	487	850			
Auxiliary cabinet (550 mm)	115		525	1900	512	850			
Auxiliary cabinet (700 mm)	135		1100	1900	712	850			
Auxiliary cabinet (1000 mm)	150			1900	1012	850			
* Batt: 0 min (mini)	-	-	-	-	-			
** Batt: 30 min	** Batt: 30 min (maxi)								



Note: The final weight of the enclosure with batteries depend on chosen runtime, number of battery blocks and battery brand and type. The weights given here are only approximate weights measured with an APC battery solution and must only be used as an indication of an approximate final weight.

Clearance



Note: Clearance dimensions are published for airflow and service access only. Consult with the local safety codes and standards for additional requirements in your local area.



Environmental

Operating Temperature	0 to 40 °C without overload 0 to 30 °C with overload
Storage Temperature	-20 to 45 °C
Operating Relative Humidity	0 - 95%, non-condensing
Storage Relative Humidity	0 - 95%, non-condensing
Operating Elevation	0-1000 m: 100% load At 1500 m: 85% load At 2000 m: 79% load At 2300 m: 75% load At 3000 m: 69% load At 4000 m: 59% load
Storage Elevation	0-12000 meters
Audible noise at 100% load – 1 meter from surface of unit 20–60 kVA 80–100 kVA 120 kVA	55.5 dBA 61.4 dBA 60.2 dBA
Protection Class	IP20
Colour	Charcoal

Heat Dissipation

The operating temperature range is 0 to 40°C, however optimal operation is within the 20 to 25°C range.

Battery backup time is adversely affected by high and low temperatures. It is significantly reduced at temperatures under 10°C.

Above 25°C, battery service life is reduced by 50% for every 10°C temperature increase. Above 40°C, battery manufacturers no longer guarantee operation due to the risk of thermal runaway.

Losses	calculated	with max	current \rightarrow	V=380	and RL	load:	cosf:	0.9	(a).	100% lo	bad
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	20 kVA	30 kVA	40 kVA	60 kVA	80 kVA	100 kVA	120 kVA
Losses (kW)	1.61	2.03	2.68	4.26	4.86	6.90	8.41
Heat dissipation (BTU/hr)	5493	6928	9146	14539	16587	23549	28362
Recommended air throughput (m ³ /h)	1332				2 556		

Drawings

(!)

Note: A comprehensive set of drawings is available on the engineering website at engineer.apc.com.

Note: These drawings are for reference ONLY — subject to change without notice.

Hardware Options

Battery Cabinets

MGE Galaxy 5500 Battery Module Cabinet L700A MGE Galaxy 5500 Battery Module Cabinet L700B MGE Galaxy 5500 Battery Module Cabinet L1000A MGE Galaxy 5500 Battery Module Cabinet L1000B MGE Galaxy 5500 Battery Module Cabinet L2X700C MGE Galaxy 5500 Battery Module Cabinet L2X700D MGE Galaxy 5500 Battery Module Cabinet L700L1000E MGE Galaxy 5500 Battery Module Cabinet L2X1000C

Auxiliary Cabinets

MGE Galaxy 5500 Empty Battery Cabinet 710 mm MGE Galaxy 5500 Empty Battery Cabinet 1010 mm MGE Galaxy 5500 Empty Auxiliary Cabinet 710 mm MGE Galaxy 5500 Empty Auxiliary Cabinet 1010 mm

Transformers

MGE Galaxy 5500 Transformer 20 to 40 kVA in an integrated cabinet MGE Galaxy 5500 Transformer 20 to 40 kVA in a stand-alone cabinet MGE Galaxy 5500 Transformer 60 kVA in an integrated cabinet MGE Galaxy 5500 Transformer 60 kVA in a stand-alone cabinet MGE Galaxy 5500 Transformer 80 to 120 kVA in an integrated cabinet MGE Galaxy 5500 Transformer 80 to 120 kVA in a stand-alone cabinet

External Bypass

MGE Galaxy 5000 External Bypass 150 kVA 400 V (TNS) MGE Galaxy 5000 External Bypass 150 kVA 400 V & grounded neutral (TNC) MGE Galaxy 5000 External Bypass 360 kVA 400 V (TNS) MGE Galaxy 5000 External Bypass 360 kVA 400 V & grounded neutral (TNC)

Communication

MGE Galaxy External Synchronisation Box MGE Galaxy Temperature Monitor MGE Galaxy Telemonitor Box MGE Galaxy Led Box Alarm Relay Card Environment Sensor for Network Management Cable JBus/Modbus Card SNMP/Web Card

IP32 kit for Transformers

MGE Galaxy 5000 IP32 TFO pack 475 mm for transformer in stand-alone cabinet MGE Galaxy 5000 IP32 TFO pack 550 mm for transformer in stand-alone cabinet MGE Galaxy 5000 IP32 PACK UPS-TFO 1187 mm for transformer in integrated cabinet MGE Galaxy 5000 IP32 PACK UPS-TFO 1260 mm for transformer in integrated cabinet

Configuration Options

- Parallel system bypass cabinets
- ECO mode that reduces the consumption of electrical power while UPS is in use
- IP 32 rated cabinets
- External maintenance bypass
- Wall-mounted or stand alone
- Remote alarm status panel (RASP)
- Remote summary alarm panel (RSAP)
- 42 pole distribution in a matching cabinet
- Seismic anchors
- Top cable entry cabinet
- Communication cards
- Advanced power management software
- Parallel Capability for capacity or redundancy

APC by Schneider Electric Limited Factory Warranty

Three Phase Power Products or Cooling Solutions One-Year Factory Warranty

The limited warranty provided by APC by Schneider Electric (APC®) in this Statement of Limited Factory Warranty applies only to products you purchase for your commercial or industrial use in the ordinary course of your business.

Terms of Warranty

American Power Conversion warrants that the product shall be free from defects in materials and workmanship for a period of one year from the date of product start-up when start-up is performed by APC authorized service personnel and occurs within six months of The APC shipment date. This warranty covers repairing or replacing any defective parts including on-site labor and travel. In the event that the product fails to meet the foregoing warranty criteria, the warranty covers repairing or replacing defective parts at the sole discretion of APC for a period of one year from the shipment date. For APC cooling solutions, this warranty does not cover circuit breaker resetting, loss of refrigerant, consumables, or preventive maintenance items. Repair or replacement of a defective product or part thereof does not extend the original warranty period. Any parts furnished under this warranty may be new or factory-remanufactured.

Non-transferable Warranty

This warranty is extended to the first person, firm, association or corporation (herein referred to by "You" or "Your") for whom the APC product specified herein has been purchased. This warranty is not transferable or assignable without the prior written permission of APC.

Assignment of Warranties

APC will assign you any warranties which are made by manufacturers and suppliers of components of the APC product and which are assignable. Any such warranties are assigned "AS IS" and APC makes no representation as to the effectiveness or extent of such warranties, assumes no responsibility for any matters which may be warranted by such manufacturers or suppliers and extends no coverage under this Warranty to such components.

Drawings, **Descriptions**

APC warrants for the warranty period and on the terms of the warranty set forth herein that the APC product will substantially conform to the descriptions contained in the APC Official Published Specifications or any of the drawings certified and agreed to by contract with APC if applicable thereto ("Specifications"). It is understood that the Specifications are not warranties of performance and not warranties of fitness for a particular purpose.

Exclusions

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Worldwide Customer Support

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