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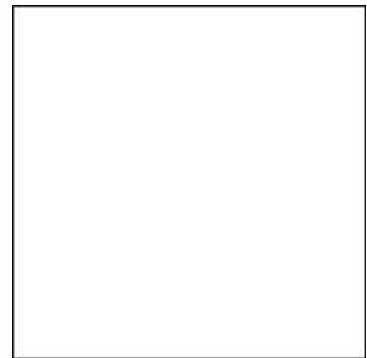
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Ministry of Health

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### Specification for 3KVA UPS

<b>DETAILS</b>	<b>3000VA (minimum) WITH AUTOMATIC VOLTAGE REGULATOR</b>
<b>OUTPUT VOLTAGE</b>	<b>220V, 230V (nominal), 240V</b>
<b>VOLTAGE DISTORTION FOR OUTPUT</b>	<b>Less than or equal to 5%</b>
<b>OUTPUT CONNECTION QUANTITY</b>	<b>Four (4) IEC 320 C13 (Minimum) One (1) IEC 320 C19</b>
<b>INPUT VOLTAGE</b>	<b>230V</b>
<b>INPUT CONNECTION TYPE</b>	<b>British BS1363A</b>
<b>BATTERY CONDITION</b>	<b>Leakproof</b>
<b>REPLACEMENT BATTERY COST</b>	<b>Should include current market price for the replacement battery</b>
<b>INTERFACE PORTS</b>	<b>One (1) RJ-45, One (1) Smart slot or equivalent interface port</b>
<b>AUDIBLE ALARM</b>	<b>Alarm when on battery Alarm when low battery Alarm when overload</b>
<b>REQUIRED FEATURES</b>	<b>Surge protection and Noise filtering Include Emergency Power Off feature LED Display with load and Status</b>
<b>WARRANTY</b>	<b>One-year hardware and TWO years' service warranty One-year Guarantee for Battery (provide replacement if battery life ends earlier than one year)</b>



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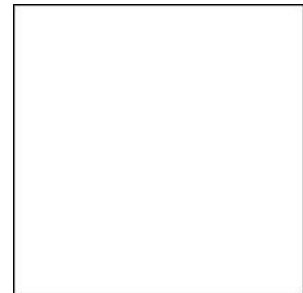
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الجمهورية اللبنانية

### Specification for 8KVA UPS

<b>DETAILS</b>	<b>8KVA (Minimum) WITH AUTOMATIC VOLTAGE REGULATOR</b>
<b>FORM FACTOR</b>	<b>Rack mountable</b>
<b>OUTPUT VOLTAGE</b>	<b>220V, 230V (nominal), 240V</b>
<b>VOLTAGE DISTORTION FOR OUTPUT</b>	<b>Less than or equal to 5%</b>
<b>OUTPUT CONNECTION QUANTITY</b>	<b>Eight (8) IEC 320 C13 One(1) IEC 320 C19</b>
<b>INPUT VOLTAGE</b>	<b>220/230/240 V</b>
<b>INPUT CONNECTION TYPE</b>	<b>British BS1363A</b>
<b>BATTERY CONDITION</b>	<b>Leakproof</b>
<b>REPLACEMENT BATTERY COST</b>	<b>Should include current market price for the replacement battery</b>
<b>INTERFACE PORTS</b>	<b>One (1) RJ-45 , One(1) Smart slot or equivalent interface port</b>
<b>AUDIBLE ALARM</b>	<b>Alarm when on battery Alarm when low battery Alarm when overload</b>
<b>REQUIRED FEATURES</b>	<b>Surge protection and Noise filtering Include Emergency Power Off feature LED Display with load and Status</b>
<b>WARRANTY</b>	<b>One-year hardware and TWO years' service warranty One year Guarantee for Battery (provide replacement if battery life ends earlier than one year)</b>



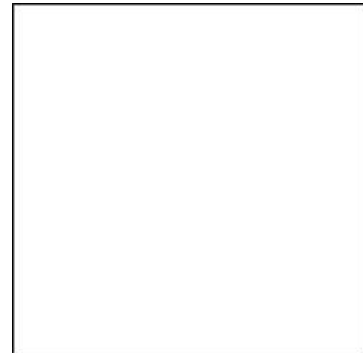
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### Specification for Projector

<u>DISPLAY TECHNOLOGY</u>	
LIGHT OUTPUT (LUMENS)	2500 Lumens
RESOLUTION	1280x720 or higher
CONTRAST RATIO (UP TO)	10000 : 1
LAMP LIFE (UP TO)	3000 hours normal / 4000 hours eco
THROW RATIO	0.5 : 1
PROJECTION DISTANCE	0.4 – 2 m
<u>COMPATIBILITY</u>	
SUPPORTED VIDEO STANDARDS	HD, VGA, XGA
SD/HD VIDEO SIGNAL COMPATIBILITY	720p, 1080i
PC SIGNAL COMPATIBILITY	HD, VGA, XGA
<u>INPUT / OUTPUT CONNECTORS</u>	
1x HDMI	
1 x VGA in	
1 x VGA out	
<u>ACCESSORIES</u>	
IR Remote Control	
Ceiling Mount Bracket	
CABLES	30 feet HD Cable
WARRANTY	1 Year



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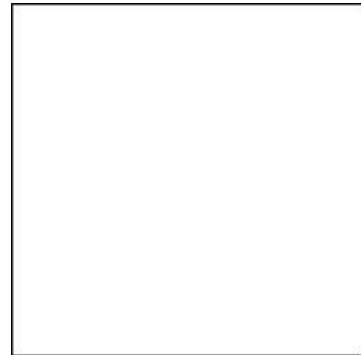
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سرکاری عمارت  
گورنمنٹ ہسپتال  
کراچی

### Specification for Server

<b>DRIVE BAYS</b>	<b>UP TO 16 x 2.5" SAS/SATA HARD DRIVES FOR 2CPU CONFIGURATION</b>
<b>PROCESSOR</b>	<b>2 x INTEL® XEON® SILVER 4210 2.2G, 10C/20T, 13.75M CACHE, TURBO, (85W)</b>
<b>MEMORY</b>	<b>64GB RDIMM, 2666MT/s, DUAL RANK, x4 DATA WIDTH</b>
<b>RAID CONTROLLER</b>	<b>RAID 1 FOR SSD, RAID 50 FOR HDD, 8GB NV CACHE (MINIMUM)</b>
<b>STORAGE</b>	<b>SSD 2 x 480GB SOLID STATE DRIVE SATA 6GBPS 2.5" HOT-PLUG - HDD 8 x 2.4TB 10K SAS 12GBPS 2.5" HOT-PLUG</b>
<b>NETWORK</b>	<b>INTEGRATED QUAD PORT GIGABIT ETHERNET</b>
<b>RACK RAILS</b>	<b>SERVER RACK RAILS, CABLE MANAGER</b>
<b>POWER SUPPLY</b>	<b>DUAL POWER SUPPLY, REDUNDANT CONFIGURATION, 750W</b>
<b>POWER CORDS</b>	<b>C13 TO C14, PDU STYLE, 12 AMP, 1M POWER CORD</b>
<b>BEZEL</b>	<b>INCLUDE BEZEL</b>
<b>OPERATING SYSTEM</b>	<b>GENUINE WINDOWS SERVER® 2019, DATACENTER EDITION WITH UNLIMITED VIRTUAL MACHINE LICENSE (10 x 2 CORE PACK)</b>
<b>WARRANTY</b>	<b>3 YEARS PARTS / 3 YEARS' SERVICE WARRANTY</b>



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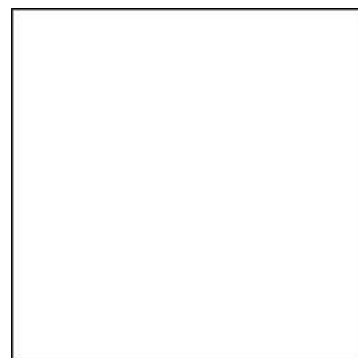
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وزارة الصحة  
جمهورية مصر العربية

### Specification for 8KVA UPS

<b>DETAILS</b>	<b>8KVA (Minimum) WITH AUTOMATIC VOLTAGE REGULATOR</b>
<b>FORM FACTOR</b>	<b>Rack mountable</b>
<b>OUTPUT VOLTAGE</b>	<b>220V, 230V (nominal), 240V</b>
<b>VOLTAGE DISTORTION FOR OUTPUT</b>	<b>Less than or equal to 5%</b>
<b>OUTPUT CONNECTION QUANTITY</b>	<b>Eight (8) IEC 320 C13 One (1) IEC 320 C19</b>
<b>INPUT VOLTAGE</b>	<b>220/230/240 V</b>
<b>INPUT CONNECTION TYPE</b>	<b>British BS1363A</b>
<b>BATTERY CONDITION</b>	<b>Leakproof</b>
<b>REPLACEMENT BATTERY COST</b>	<b>Should include current market price for the replacement battery</b>
<b>INTERFACE PORTS</b>	<b>One (1) RJ-45, One (1) Smart slot or equivalent interface port</b>
<b>AUDIBLE ALARM</b>	<b>Alarm when on battery Alarm when low battery Alarm when overload</b>
<b>REQUIRED FEATURES</b>	<b>Surge protection and Noise filtering Include Emergency Power Off feature LED Display with load and Status</b>
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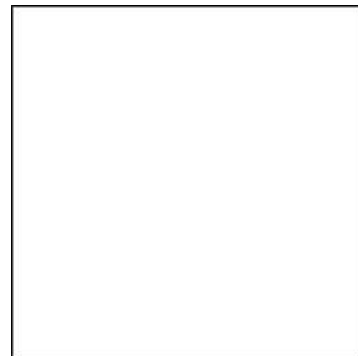
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دائرة تكنولوجیا معلومات  
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### Specification for Desktop Computer System

<b>FORM FACTOR</b>	Mini-Tower, Tower
<b>PROCESSOR</b>	8th Generation Intel Core i5 or later
	4.0GHz, 8M Cache
	Quad (4) Cores
<b>MOTHERBOARD</b>	Sata II support
	RAM Upgradeable to 16GB
	Intergrated Sound capabilities
<b>MOTHERBOARD SLOTS</b>	1 full height PCIe x16 1 full height PCIe x1 1 full height PCI 2 DIMM
<b>RAM</b>	8 GB RAM DDR3/DDR4
<b>STORAGE</b>	512 GB SSD
<b>OPTICAL DRIVE</b>	Internal 8x DVD +/- RW
<b>NETWORK INTERFACE</b>	100/1000 Mbps Gigabit Ethernet
<b>INPUT / OUTPUT PORTS</b>	4 – USB 3.0 (2 front/ 2 rear) 2 – USB 2.0 (1 front/ 1 rear) 1 – HDMI port
<b>MOUSE</b>	USB QWERTY Enhanced Keyboard
<b>KEYBOARD</b>	USB Wired Optical Scroll Mouse + Mouse Pad
<b>OPERATING SYSTEM</b>	Windows 10 Professional 64bit OEM Licensed
<b>DRIVERS</b>	OEM Drivers for installed OS
<b>MONITOR 1</b>	22" LCD/LED Monitor ( Minimum) HDMI supported
<b>WARRANTY</b>	1 Year

