

# Online Li-Ion UPS - 1.5 kVA - 3 kVA

This UPS is Born to Perform

Our online rack mount lithium-ion (LiFePO4) UPS offers reliable backup power and efficient performance in a 2U form factor. It's available in power capacities ranging from 1.5 kVA to 3 kVA. Being an online (double-conversion) UPS, it not only provides backup power for the rack but also shields rack-mounted equipment from any kind of power surge or disturbance, protecting your mission-critical equipment and enabling a safe shutdown in the event of a power failure.



## PRODUCT APPLICATIONS

Suited for edge computing applications, standard networking closets and IT rooms, state, local, and federal agencies, universities and educational institutions, industrial IT, and more.

## PRODUCT FEATURES

### 6 Year Full Warranty

- Industry leading coverage
- Covers both Li-Ion batteries and UPS electronics

### Online (Double Conversion) Technology

- Provides safe and reliable power supply
- Battery supplies backup power

### Fast Recharge

- 1.5 hour recharge to 90%

### Longer Runtimes

- Internal full-load runtimes up to 14 minutes

### Maintenance Free/Service Free

- Up to 10 years of battery life
- Up to 2000 full discharge cycles
- Up to 10 times more discharge cycles than lead-acid UPS systems

### Charging Current

- Up to 8A
- Current adjustable from LCD display

### Dual Redundant Battery Management System

Ensures:

- Cell voltage balancing
- Current sharing
- Protection from over-charge and over-discharge

### Multiple Power Capacities Available

Power capacities available in:

- 1500 VA (1350 W) - 120 VAC = PN: DG1500L
- 2000 VA (1800 W) - 120 VAC = PN: DG2000L
- 3000 VA (2700 W) - 120 VAC = PN: DG3000L
- 1500 VA (1350 W) - 230 VAC = PN: DG1500M
- 2000 VA (1800 W) - 230 VAC = PN: DG2000M
- 3000 VA (2700 W) - 230 VAC = PN: DG3000M

### Benefits

- Bypass distribution module compatible

# PRODUCT SPECIFICATIONS

## PHYSICAL SPECIFICATIONS - 120 VAC

Part Number	DG1500L	DG2000L	DG3000L
Dimensions (WxDxH)***	17.2" x 15.1" x 3.5" (436.88 mm x 383.54 mm x 88.9 mm)	17.2" x 19" x 3.5" (436.88 mm x 482.6 mm x 88.9 mm)	17.2" x 23.8" x 3.5" (436.88 mm x 604.52 mm x 88.9 mm)
Weight	25.6 lb (11.61 kg)	33.5 lb (15.19 kg)	45.2 lb (20.50 kg)
Power Cord	5-15P, 6 ft (1.82 m)	5-20P, 6 ft (1.82 m)	L5-30P, 6 ft (1.82 m)
UPS Receptacles	(8) NEMA 5-15R	(8) NEMA 5-15/20R	L5-30R + (6) 5-15/20R

## POWER

Power Capacity	1500 VA (1350 W)	2000 VA (1800 W)	3000 VA (2700 W)
Input (Voltage/Frequency)	55-150 VAC* / 50/60 Hz auto-sensing		
Output (Voltage)	100**/110/115/120/127 VAC selectable		
Output (Frequency)	50/60 Hz ± 0.1 Hz		
Output (Efficiency)	Up to 98%		
Overload Capacity	Online mode: 110% & ≤ 130% for 5 min; > 130% & ≤ 140% for 30 sec; > 140% for 1.5 sec		

## BATTERY

Cell Type	LFP26650 2600 mAh		
Cell Configuration	15S2P	15S2P x2	24S1P x 3
Charger Voltage	52.5 VDC		84 VDC
Charging Current	2/4/6/8A (max.), adjustable through LCD		
Recharge Time	1.5 hours to 90% charge		

## INCLUDED

Communication Interface	RS-232, USB, EPO, intelligent slot for optional cards (Web/SNMP, Relay/dry contact, Modbus)		
Included in Box	ViewPower software, horizontal brackets, tower pedestals, and user manual		

## OPTIONAL

Available Options	Bypass distribution (PM series), 4-post rail kit, 2-post shelf kit, wall-mount bracket		
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## ENVIRONMENTAL

Operating Temperature	32-104°F (0-40°C)		
Elevation, Above MSL	11,500 ft (3,500 m)		

## COMPLIANCE/STANDARDS

EMC Compliance	FCC Class A		
Safety Compliance	TUV certified to UL-1778 and CSA-C22.2no107.3-14		
Environmental	RoHS		
Transportation	UN38.3		
TAA Compliant	Yes		

\*Depending on load level. \*\*Derate capacity to 80% when the output voltage is adjusted to 100VAC. \*\*\*Rack depth is front bracket to unit panel. Add 1" for depth including front bezel.

# PRODUCT SPECIFICATIONS

<b>PHYSICAL SPECIFICATIONS - 230 VAC</b>			
Part Number	DG1500M	DG2000M	DG3000M
Dimensions (WxDxH)***	17.2" x 15.1" x 3.5" (436.88 mm x 383.54 mm x 88.9 mm)	17.2" x 19" x 3.5" (436.88 mm x 482.6 mm x 88.9 mm)	17.2" x 23.8" x 3.5" (436.88 mm x 604.52 mm x 88.9 mm)
Weight	25.6 lb (11.61 kg)	33.5 lb (15.19 kg)	45.2 lb (20.50 kg)
Power Cord	C14 inlet, 8 ft (2.4 m) L6-20P to C13 line cord	C20 inlet, 8 ft (2.4 m) L6-20P to C19 line cord	
UPS Receptacles	(8) IEC C13		(1) IEC C19 + (8) IEC C13
<b>POWER</b>			
Power Capacity	1500 VA (1350 W)	2000 VA (1800 W)	3000 VA (2700 W)
Input (Voltage/Frequency)	110-300 VAC* / 50/60Hz auto-sensing		
Output (Voltage)	200**/208**/220/230/240 VAC selectable		
Output (Frequency)	50/60 Hz ± 0.1 Hz		
Output (Efficiency)	Up to 98% efficiency		
Overload Capacity	110% & ≤ 130% for 5 min; > 130% & ≤ 140% for 30 sec; > 140% for 1.5 sec		
<b>BATTERY</b>			
Cell Type	LFP26650 2600 mAh		
Cell Configuration	15S2P	15S2P x2	24S1P x 3
Charger Voltage	52.5 VDC		84 VDC
Charging Current	1/2/4/6/8A (max.), adjustable through LCD		
Recharge Time	1.5 hours to 90% charge		
Communication Interface	RS-232, USB, EPO, intelligent slot for optional cards (Web/SNMP, Relay/dry contact, Modbus)		
Included in Box	ViewPower software, front brackets, tower pedestals, and user manual		
Available Options	Bypass distribution (PM series), 4-post rail kit, 2-post shelf kit, wall-mount bracket		
<b>ENVIRONMENTAL</b>			
Operating Temperature	32–104°F (0–40°C)		
Elevation, Above MSL	11,500 ft (3,500 m)		
<b>COMPLIANCE/STANDARDS</b>			
EMC Compliance	FCC Class A		
Safety Compliance	TUV certified to UL-1778 and CSA-C22.2no107.3-14		
Environmental	RoHS		
Transportation	UN38.3		
TAA Compliant	Yes		

\*Depending on load level. \*\*Derate capacity to 80% when the output voltage is adjusted to 200 VAC/208 VAC. \*\*\*Rack depth is front bracket to unit panel. Add 1" for depth including front bezel.

## BATTERY RUNTIMES - 120 VAC

Internal Batteries										
Percentage Load:	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%
DG1500L	111	54	34	25	19	16	13	11	9	8
DG2000L	163	79	51	38	30	24	21	18	16	14
DG3000L	127	62	40	29	23	19	16	14	12	11

Runtimes are shown in minutes and will vary based on battery condition, age, cycles, and ambient temperature.

## BATTERY RUNTIMES - 230 VAC

Internal Batteries										
Percentage Load:	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%
DG1500M	111	54	34	25	19	16	13	11	9	8
DG2000M	163	79	51	38	30	24	21	18	16	14
DG3000M	127	62	40	29	23	19	16	14	12	11

Runtimes are shown in minutes and will vary based on battery condition, age, cycles, and ambient temperature.