
L-Family Three phase UPS system

208 Vac



10 to 40 kVA/kW

- // Online double conversion
- // Lightweight and compact
- // Remote management and monitoring
- // Internal battery options for 10-30kVA systems
- // Intuitive and user-friendly 7" touchscreen interface
- // Battery temperature compensation mechanism
- // Fast service and installation

/ L-Family UPS

Technical specifications

L-FAMILY UPS	10kVA	15kVA	20kVA	30kVA	40kVA	
Topology	Online double conversion					
Parallel System	Up to 2					
Bus Synchronization	Support for parallel connection without external box					
INPUT						
Voltage	3X208V 4 wires + ground					
Voltage Range	-20%, +25% (166-260Vac), Full load -40%, +25% (125-260Vac), <50% Load					
Nominal Current (A)	30	45	60	90	120	
Frequency	40-70 Hz					
Input Power Factor	>0.99					
Input THDI	<3%					
BATTERY						
Battery Type	VRLA					
Built-in Battery	20-60pcs 9Ah	40-60pcs 9Ah	60pcs 9Ah	80pcs 9Ah	External	
Battery Nominal Voltage	±120Vdc					
Charge Capacity	13A		20A		40A	
Battery Temperature Compensation ⁽¹⁾	0-7 millivolts per cell for every Fahrenheit degree, starting from 82.4°F					
Battery Test	Manual and automatic; programmable by time or voltage					
Accessories Kit	Included for all batteries (including jumpers and wires)				N/A	
OUTPUT						
Rated power kVA/kW	10/10	15/15	20/20	30/30	40/40	
Frequency Tracking Range	±10% (±5%, ±4%, ±2%, ±1%) out of 60Hz					
Slew Rate	0.5~2Hz/s					
Voltage	208Vac(3Ph+N+PE)					
Static Regulation	±1 %					
Overload	110 % : 60 min, 125 % : 10 min, 150%: 1 min					
Waveform	Pure Sinusoidal					
THDv	2% for linear load					
AC/AC Efficiency	93%	93%	93.5%	94%	94%	
Output Power Factor	1.0					
ECO Mode	Up to 98%					
STATIC SWITCH (bypass)						
Input Connection	Single and Dual Feed					
ENVIRONMENTAL						
Operating Temperature	32°F to 104°F					
Relative Humidity	0-95% non-condensation					
Acoustic Noise dbA	58	58	58	68	72	
MECHANICAL						
Service Access	Back/ Top	20 in / 500 mm				
	Right/ Left	40 in / 1000 mm			20 in / 500 mm	
	Internal Breakers	40 in / 1000 mm				
Termination	Input/ Output/ DC/battery: Rear side					
Internal Breakers	Mains / Bypass / Maintenance bypass / Output	50A 3P	63A 3P	80A 3P	120A 3P	150A 3P
Enclosure	IP20					
Cooling System	Air with intelligent fan speed control					
Dimensions(W x H x D) (in/mm)	9.8 x 35.4 x 34.1 / 250 x 900 x 868			15.7 x 40.1 x 37/ 399 x 1018 x 940		
Net Weight w/o batt / with max batt (lb)	170/522	170/522	172/525	353/822	472	
COMMUNICATION						
Interfaces	USB, RS232, RS485, Parallel, Battery temperature sensor ⁽¹⁾ , SNMP card ⁽¹⁾ , relay card ⁽¹⁾					
GENERAL						
EPO	Remote					
User Interface	Color touch screen, 7 inches					
STANDARDS						
EMC Emission	FCC PART 15-B					
Safety	UL 1778_5					

All specifications are under nominal conditions.

⁽¹⁾ Optional

* Contact your SolarEdge Critical Power sales representative for more information and options.

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