L-Family Three phase UPS system

208 Vac



10 to 40 kVA/kW

- I 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



criticalpower.solaredge.com

/ L-Family UPS

Technical specifications

L-FAMILY UPS		10kVA	15kVA	20kVA	30kVA	40kVA
Тороlоду			On	line double conversion		
Parallel System		Up to 2				
Bus Synchronization		Support for parallel connection without external box				
INPUT						
Voltage				208V 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
		20-00pcs 9AII	40-00pcs 9An	±120Vdc	oopes san	LXterrial
Battery Nominal Voltage Charge Capacity			13A	± 120Vac	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		Includ	eu ior all batteries (inc	clouing jumpers and Wi	62)	N/A
OUTPUT		10/10	1 1 11	20/20	20/20	40/40
Rated power kVA/kW		10/10	15/15	20/20	30/30	40/40
Frequency Tracking Range			± 10% (±5)	%,±4%,±2%,±1%) out c		
Slew Rate		0.5~2Hz/s				
Voltage Static Regulation		208Vac(3Ph+N+PE) ±1%				
Static Regulation Overload		±1 % 110 % : 60 min, 125 % : 10 min, 150%: 1 min				
Overload Waveform		Pure Sinusoidal				
THDV		2% for linear load				
AC/AC Efficiency		93%	93%	93.5%	94%	94%
Output Power Factor			1	1.0		
ECO Mode				Up to 98%		
STATIC SWITCH (by	ypass)					
Input Connection				Single and Dual Feed		
ENVIRONMENTAI	L					
Operating Temperature				32°F to 104°F		
Relative Humidity			0-9	95% non-condensation		
inclutive murniting			58	58	68	72
	4	58				12
Acoustic Noise db/	A					12
Acoustic Noise db/	A Back/ Top			20 in / 500 mm		
Acoustic Noise db/ MECHANICAL	1		·	20 in / 500 mm 40 in / 1000 mm		1
Acoustic Noise db/ MECHANICAL	Back/ Top		·			1
Acoustic Noise db/ MECHANICAL Service Access Termination	Back/ Top Right/ Left		Input/ O	40 in / 1000 mm	r side	1
Acoustic Noise db/ MECHANICAL Service Access Termination	Back/ Top Right/ Left	50A 3P	Input/ O 63A 3P	40 in / 1000 mm 40 in / 1000 mm	r side 120A 3P	20 in / 500 m 150A 3P
Acoustic Noise db/ MECHANICAL Service Access Termination Internal Breakers	Back/ Top Right/ Left Internal Breakers Mains / Bypass / Maintenance bypass			40 in / 1000 mm 40 in / 1000 mm hutput/ DC/battery: Rea		20 in / 500 m
Acoustic Noise db/ MECHANICAL Service Access Termination Internal Breakers Enclosure	Back/ Top Right/ Left Internal Breakers Mains / Bypass / Maintenance bypass		63A 3P	40 in / 1000 mm 40 in / 1000 mm putput/ DC/battery: Real 80A 3P IP20	120A 3P	20 in / 500 m
Acoustic Noise db/ MECHANICAL Service Access Termination Internal Breakers Enclosure Cooling System	Back/ Top Right/ Left Internal Breakers Mains / Bypass / Maintenance bypass / Output	50A 3P	63A 3P Air with	40 in / 1000 mm 40 in / 1000 mm utput/ DC/battery: Real 80A 3P IP20 intelligent fan speed co	120A 3P	20 in / 500 m 150A 3P
Acoustic Noise db/ MECHANICAL Service Access Fermination Internal Breakers Enclosure Cooling System Dimensions(W x H	Back/ Top Right/ Left Internal Breakers Mains / Bypass / Maintenance bypass / Output × D) (in/mm)	50A 3P 9.8 x 3	63A 3P Air with 5.4 x 34.1 / 250 x 900	40 in / 1000 mm 40 in / 1000 mm httput/ DC/battery: Real 80A 3P IP20 intelligent fan speed co x 868	120A 3P ontrol 15.7 x 40.1 x 37/	20 in / 500 m 150A 3P 399 x 1018 x 940
Acoustic Noise db/ MECHANICAL Service Access Fermination Internal Breakers Enclosure Cooling System Dimensions(W x H Net Weight w/o ba	Back/ Top Right/ Left Internal Breakers Mains / Bypass / Maintenance bypass / Output x D) (in/mm) att / with max batt (lb)	50A 3P	63A 3P Air with	40 in / 1000 mm 40 in / 1000 mm utput/ DC/battery: Real 80A 3P IP20 intelligent fan speed co	120A 3P	20 in / 500 m 150A 3P
Acoustic Noise db/ MECHANICAL Service Access Fermination Internal Breakers Enclosure Cooling System Dimensions(W x H Net Weight w/o ba COMMUNICATION	Back/ Top Right/ Left Internal Breakers Mains / Bypass / Maintenance bypass / Output x D) (in/mm) att / with max batt (lb)	50A 3P 9.8 x 3	63A 3P Air with 5.4 x 34.1 / 250 x 900 170/522	40 in / 1000 mm 40 in / 1000 mm putput/ DC/battery: Real 80A 3P IP20 intelligent fan speed cc x 868 172/525	120A 3P ontrol 15.7 x 40.1 x 37/ 353/822	20 in / 500 m 150A 3P 399 x 1018 x 940
Acoustic Noise db/ MECHANICAL Service Access Termination nternal Breakers Enclosure Cooling System Dimensions(W x H Net Weight w/o ba COMMUNICATION nterfaces	Back/ Top Right/ Left Internal Breakers Mains / Bypass / Maintenance bypass / Output x D) (in/mm) att / with max batt (lb)	50A 3P 9.8 x 3	63A 3P Air with 35.4 x 34.1 / 250 x 900 170/522 USB	40 in / 1000 mm 40 in / 1000 mm httput/ DC/battery: Real 80A 3P IP20 intelligent fan speed co x 868	120A 3P ontrol 15.7 x 40.1 x 37/ 353/822	20 in / 500 m 150A 3P 399 x 1018 x 940
Acoustic Noise db/ MECHANICAL Service Access Termination Internal Breakers Enclosure Cooling System Dimensions(W x H Net Weight w/o ba COMMUNICATION Interfaces	Back/ Top Right/ Left Internal Breakers Mains / Bypass / Maintenance bypass / Output x D) (in/mm) att / with max batt (lb)	50A 3P 9.8 x 3	63A 3P Air with 35.4 x 34.1 / 250 x 900 170/522 USB	40 in / 1000 mm 40 in / 1000 mm putput/ DC/battery: Real 80A 3P IP20 intelligent fan speed cc x 868 172/525 8, RS232, RS485, Parallel	120A 3P ontrol 15.7 x 40.1 x 37/ 353/822	20 in / 500 m 150A 3P 399 x 1018 x 940
Acoustic Noise db/ MECHANICAL Service Access Termination Internal Breakers Enclosure Cooling System Dimensions(W x H Net Weight w/o ba COMMUNICATION Interfaces GENERAL	Back/ Top Right/ Left Internal Breakers Mains / Bypass / Maintenance bypass / Output x D) (in/mm) att / with max batt (lb)	50A 3P 9.8 x 3	63A 3P Air with 35.4 x 34.1 / 250 x 900 170/522 USB	40 in / 1000 mm 40 in / 1000 mm putput/ DC/battery: Real 80A 3P IP20 intelligent fan speed cc x 868 172/525 8, RS232, RS485, Parallel	120A 3P ontrol 15.7 x 40.1 x 37/ 353/822	20 in / 500 m 150A 3P 399 x 1018 x 940
Acoustic Noise db/ MECHANICAL Service Access Termination Internal Breakers Enclosure Cooling System Dimensions(W x H	Back/ Top Right/ Left Internal Breakers Mains / Bypass / Maintenance bypass / Output x D) (in/mm) att / with max batt (lb)	50A 3P 9.8 x 3	63A 3P Air with 5.4 x 34.1 / 250 x 900 170/522 USB Battery temperat	40 in / 1000 mm 40 in / 1000 mm httput/ DC/battery: Real 80A 3P IP20 intelligent fan speed co x 868 172/525 B, RS232, RS485, Parallel ure sensor ⁽¹⁾ , SNMP carc	120A 3P ontrol 15.7 x 40.1 x 37/ 353/822 , 1 ⁽¹⁾ , relay card ⁽¹⁾	20 in / 500 m 150A 3P 399 x 1018 x 940
Acoustic Noise db/ MECHANICAL Service Access Termination Internal Breakers Enclosure Cooling System Dimensions(W x H Net Weight w/o ba COMMUNICATION Interfaces GENERAL EPO User Interface	Back/ Top Right/ Left Internal Breakers Mains / Bypass / Maintenance bypass / Output x D) (in/mm) att / with max batt (lb)	50A 3P 9.8 x 3	63A 3P Air with 5.4 x 34.1 / 250 x 900 170/522 USB Battery temperat	40 in / 1000 mm 40 in / 1000 mm httput/ DC/battery: Real 80A 3P IP20 intelligent fan speed co x 868 172/525 3, RS232, RS485, Parallel ure sensor ⁽¹⁾ , SNMP carco Remote	120A 3P ontrol 15.7 x 40.1 x 37/ 353/822 , 1 ⁽¹⁾ , relay card ⁽¹⁾	20 in / 500 m 150A 3P 399 x 1018 x 940
Acoustic Noise db/ MECHANICAL Service Access Termination Internal Breakers Enclosure Cooling System Dimensions(W x H Net Weight w/o ba COMMUNICATION Interfaces GENERAL EPO	Back/ Top Right/ Left Internal Breakers Mains / Bypass / Maintenance bypass / Output x D) (in/mm) att / with max batt (lb)	50A 3P 9.8 x 3	63A 3P Air with 5.4 x 34.1 / 250 x 900 170/522 USB Battery temperat	40 in / 1000 mm 40 in / 1000 mm httput/ DC/battery: Real 80A 3P IP20 intelligent fan speed co x 868 172/525 3, RS232, RS485, Parallel ure sensor ⁽¹⁾ , SNMP carco Remote	120A 3P ontrol 15.7 x 40.1 x 37/ 353/822 , 1 ⁽¹⁾ , relay card ⁽¹⁾	20 in / 500 m 150A 3P 399 x 1018 x 940

All specifications are under nominal conditions. © Optional * Contact your SolarEdge Critical Power sales representative for more information and options. © SolarEdge Technologies, Ltd. All rights reserved. SOLAREDGE, the SolarEdge logo, SolarEdge critical power logo OPTIMIZED BY SOLAREDGE are trademarks or registered trademarks of SolarEdge Technologies, Inc. All other trademarks mentioned herein are trademarks of their respective owners. V1.1/NA. Subject to change without notice.