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## L-Family

### Three phase UPS system

400 Vac



### 20 to 40 kVA/kW

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

# / L-Family UPS

## Technical specifications

L-FAMILY UPS	20kVA		30kVA	40kVA
Topology	Online double conversion			
Parallel System	Up to 2			
Bus Synchronization	Support for parallel connection without external box			
INPUT				
Voltage	3X400V 4 wires + ground			
Voltage Range	305-485Vac Full load 138-485Vac 40% load			
Nominal Current (A)	32	48	65	
Frequency	40-70 Hz			
Input Power Factor	>0.99			
Input THDI	<3%			
BATTERY				
Battery Type	VRLA			
Built-in Battery	60pcs 9Ah	60pcs 9Ah	80pcs 9Ah	
Battery Nominal Voltage	±120Vd	±180Vd	±240Vd	
Charge Capacity	13A	13A	20A	
Battery Temperature Compensation (Optional)	0-7 millivolts per cell for every Celsius degree, starting from 28°C			
Battery Test	Manual and automatic; programmable by time or voltage			
Accessories Kit	Included for all batteries (including jumpers and wires)			
OUTPUT				
Rated power kVA/kW	20 - 26 bat / string: 20/20 18 bat / string: 20/18 16 bat / string: 20/16	36 - 50 bat / string: 30/30 32 - 34 bat / string: 30/27 30 bat / string: 30/24	36 - 50 bat / string: 40/40 32 - 34 bat / string: 40/36 30 bat / string: 40/32	
Frequency Tracking Range	±10% (±5%,±4%,±2%,±1%) out of 50Hz			
Slew Rate	0.5~2Hz/s			
Voltage	380/400/415Vac(3Ph+N+PE)			
Static Regulation	±1 %			
Overload	110 % : 60 min, 125 % : 10 min, 150%: 1 min			
Waveform	Pure Sinusoidal			
THDv	2% for linear load			
Efficiency	Up to 95.5%			
Output Power Factor	1.0			
ECO Mode	Up to 99%			
STATIC SWITCH (bypass)				
Input Connection	Single and Dual Feed			
ENVIRONMENTAL				
Operating Temperature	0°C to 40°C			
Relative Humidity	0-95% non-condensation			
Acoustic Noise dbA	58	66	66	
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	40A 3P	63A 3P	80A 3P
Enclosure		IP20		
Cooling System		Air with intelligent fan speed control		
Dimensions(W x D x H) (mm)		250*900*868mm	250*900*868mm	400*935*1065mm
Net Weight w/o batt / with max batt (kg)		77/237	78/238	150 / 363
COMMUNICATION				
Interfaces	USB, RS232, RS485, Parallel, Battery temperature sensor <sup>(1)</sup> , SNMP card <sup>(1)</sup> , relay card <sup>(1)</sup>			
GENERAL				
EPO	Remote			
User Interface	Color touch screen, 7 inches			
STANDARDS				
EMC Emission	IEC 62040-2:2016/EN62040-2-2018			
Safety	EN62040-1-2013			

All specifications are under nominal conditions.

<sup>(1)</sup> Optional

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