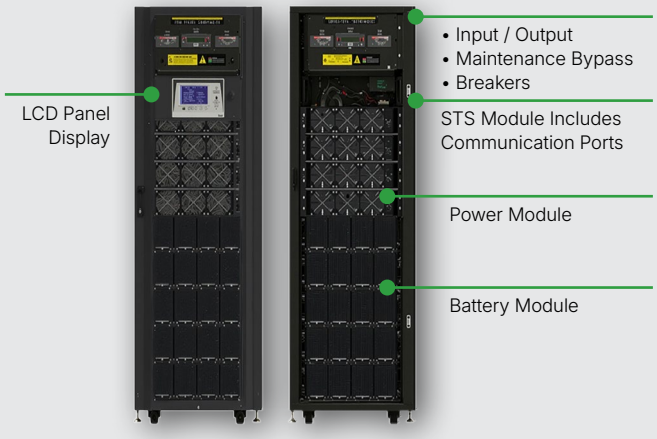
INTRINSIC MANUFACTURING

c UL us LISTED

Edge Pro Series Online UPS



MODULAR TYPE



Product Features

High efficiency online double conversion technology

Edge Pro Series is applied with online double conversion technology to reach its high performance over 94.5% at 50% load. It significantly reduces overall Total Cost of Ownership (TCO).

High scalability

DSP control provides an improved solution with high performance. Integrated with modular design and parallel technology, Edge Pro Series simplifies future power expansion.

Unity output power factor

Edge Pro Series delivers unity output power (kVA=kW) providing the maximum power capacity to mission critical loads. It satisfies the requirements of the latest servers and optimizes IT investment with every penny.

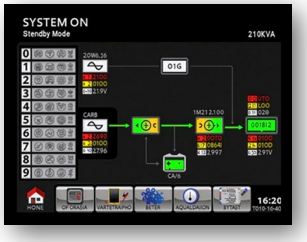
Modular design lowers MTTR

Modular design is applied in power module, STS module and battery module. It will simplify maintenance and replacement with low MTTR (Mean Time To Repair).

N+1 or N+X parallel redundancy for power guarantee

Scalable architecture allows you to optimize cost expense to meet power demands by vertically expanding in a single rack enclosure from 30KVA to 300KVA and achieve N+1 or N+X redundancy in the same rack. Edge Pro Series also supports horizontal expansion by 1+1 cabinet parallel operation.

Optional 10" touch LCD panel



Ease of installation and maintenance

Built-in maintenance bypass assures continuous power to critical loads during UPS maintenance. Besides, to facilitate installation and maintenance, all panel control and connectors are front accessibility.

Flexible battery configuration adapts different applications

Battery numbers can be adjusted flexibly. It will adapt different power demands and shorten system downtime. Battery voltage can be set from 32 to 40 pieces per string.

Highly reliable operation with redundant power supply in STS

Edge Pro Series provides 2 power supplies in STS, ensuring no risk of shutdown

User-adjustable charging current

Edge Pro Series provides maximum 8A or 6A charging current for every power module and it's user-adjustable based on requirement.

High overload capability

Edge Pro Series supports,110% overload for 60 minutes, 125% for 10 minutes, and 150% for 1 minute.

Graphic 5.7" LCD design for easy management

Designed for easy management, the intuitive design of 5.7" graphic LCD display enhances the readability of identified and advanced configuration.

Vertical Expansion | Horizontal Expansion



30KW | 300KW | 300KW + 300KW

Maximum vertical expansion for 208V Edge Pro Series is 140KW.
Maximum horizontal expansion is 160KW (4+4).

INTRINSIC MANUFACTURING

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Edge Pro Series Online UPS

MODULAR TYPE

Product Specifications

MODEL	Edge Pro 60K 30U	Edge Pro 80K 42U	Edge Pro 80K 30U	Edge Pro 120K 30U	Edge Pro 140K 42U
PHASE	3-phase in / 3-phase out				
CABINET CAPACITY*	60 KW	80 KW	80 KW	120 KW	140 KW
BATTERY TYPE	Built-in Battery		External Battery		
ONE POWER MODULE CAPACITY	20KVA/20KW				
MAX. POWER MODULE NO.	3	4	4	6	7+1
MAX. BATTERY SET NO.**	3	4	-	-	-
INPUT					
Nominal Voltage	3 × 208/220 VAC (3Ph+N)				
Voltage Range	182V ~ 253V at 90% ~100% load; 156V ~ 253V at 63% ~90% load; 121V ~ 253V for <63% Load				
Nominal Frequency	50/60Hz (Auto sensing)				
Frequency Range	40Hz ~70Hz				
Power Factor	> 0.99 at 100% load, >0.98 at 50% load				
Harmonic Distortion (THDi)	< 3% @ 100% load				
OUTPUT					
Nominal Voltage	3 × 208V/220VAC (3Ph+N)				
Voltage Regulation (Steady state)	≦± 1% Typical (balanced load) ; ≦ ± 2% Typical (imbalanced load)				
Nominal Frequency	50/60Hz				
Frequency Range (Synchronized)	46Hz ~ 54Hz or 56Hz ~ 64Hz				
Overload Capability	1 hour for 110%, 10 mins for 125%,; 1 min for 150%, 200ms for >150%				
Harmonic Distortion	≦2% THD (Linear Load) ; ≦ 4% THD (Non-linear Load)				
Efficiency	Up to 92.5% at over 50% load				
BATTERY / CHARGER					
Nominal Voltage	+/- 120V (12V x 20 pcs)				
Float Charging Voltage	2.3V / Cell				
Boost Charging Voltage	2.35V / Cell				
Temperature Compensation	Yes				
Maximum Charging Current	8A for each power module (User-adjustable)				
PHYSICAL					
Cabinet Dimension (DxWxH) mm	1100 × 600 × 1475	1100 × 600 × 2010	1100 × 600 × 1475	1100 × 600 × 1475	1100 × 600 × 2010
Net Weight (kg)	670.5	926	329	428.5	7 Power Modules: 504 8 Power Modules: 537
ENVIRONMENT					
Operating Temperature	0 ~ 40°C				
Relative Humidity	0 ~ 95% non-condensing				
Altitude***	<1000m for Nominal power				
IP Protection	IP 20				
MANAGEMENT					
Smart RS-232 / USB	Supports Windows® Family, Linux and MAC				
Optional SNMP	Power management from SNMP manager and web browser				
STANDARDS					
Safety	UL1778, CSA C22.2 No. 107.3-05				
EMC	FCC Part 15,Subpart B Class A				

*When temperature is above 30°C, the output power factor will be de-rated, 0.9 at 31°C~35°C and 0.8 at 36°C~40°C.

** One battery module contains 10 pcs of 12V/7Ah or 12/9Ah sealed lead acid batteries in one tray. One complete battery set contains 4 battery modules.

***If the UPS is installed or used in a placewhere the altitude is above than 1000m, the output power must be derated one percent per 100m.

Product specifications are subject to change without further notice.

UPS Edge Pro Series 3P/3P 208V — Rev: Sept 2026



Model	Description	Dimension DxWxH(mm)	Weight (kg)
IM-20K	3P/3P 20KVA / 20KW power module	736.5 × 490 × 133 (3U)	34.5
Battery Module	10 pcs of 12V 9Ah batteries	710 × 107 × 154	26