

- ✓ 10-1200 kVA
- ✓ Modular
- ✓ Full Redundancy Options
- ✓ Hot Swap Modules
- ✓ Scalable Design
- ✓ Inbuilt Isolation Switches



ChargePro - Modular 10-1200kVA

Applications:

ChargePro modular range is for the most demanding and critical applications:

- **Energy Efficient Data Centres – Hyperscale**
- **Critical High-Density Computer & IT Environments**
- **Hospital & Medical Critical Applications**
- **Industrial & Commercial Applications**
- **Water / Waste-Water, Desalination Plants**
- **Rail / Transport Critical Applications**
- **Banks, Telecommunication, Education Facilities**

Key Features:

- **Hot Swappable Modules**
Converts the mains into DC and then back to regulated AC before exporting to the load.
- **Robust & Reliable Construction**
All PCBs are conformally coated.
- **Inbuilt Mains, Output, Maintenance & Bypass Switch**
- **Supports 100% Unbalanced Loads**
Tolerates single phase loads on a three phase network.
- **Ethernet SNMP Card Factory Fitted**
- **High Power Density/Efficiency up to 97.1%**
- **Wide Input Voltage**
138-485V AC, no derating > 305V AC.
- **VRLA & Lithium Battery Support**
Flexible charging options for future battery technologies.
- **Advanced Communications**
- **N+X parallel redundancy - Supports a maximum of 4 parallel systems (10-30kVA) & 6 systems (40-50kVA)**
- **Generator Walk-In**

ChargePro - Modular 10-1200kVA

Optional Accessories:

- Top or bottom cable entry
- Battery temperature sensor
- Battery temperature & impedance measuring system



Technical Specifications:

ChargePro Modular 10-1200kVA

UPS System Capacity	10-60kVA	15-75kVA	20-100kVA	25-125kVA	30-150kVA	40-480kVA	50-1000kVA
Cabinet Dimensions (WxDxH mm)	600x850x1200					Available on request	
External Battery	Customised Battery Design (360V to 600V DC nominal) VRLA or Lithium Support						
Module Battery Charge Current	18A (max.)					20A (max.)	

ChargePro Module

Module Capacity	10kVA	15kVA	20kVA	25kVA	30kVA	40kVA	50kVA
Active Power	10kW	15kW	20kW	25kW	30kW	40kW	50kW
Dimensions (WxDxH mm)	440x670x86 (2RU)					440x800x130 (3RU)	
Module Weight (kg)	19	21			33	34	

UPS System Configuration Types

Standard Configuration	Control module, Bypass module, Maintenance switch , Top/Bottom Entry option, Hot Swap modules
Full Specification Configuration	Control module, Bypass module, Mains Input switch, Output switch, Maintenance switch, Bypass switch, Top/Bottom Entry option, Hot Swap modules

Input

Nominal Voltage	380/400/415V AC (3Ph+N+E)
Input Voltage Range	305-485V AC
Frequency	40-70Hz (50/60Hz Auto-Sensing)
Power Factor	>0.99
Harmonic Current Distortion	< 3% (Linear Load)

Output

Output Voltage	380/400/415V AC (3Ph+N+E)		
Voltage Regulation	+/-1 %		
Power Factor	1		
Crest Factor	3:1		
Efficiency	Up to 95.8%	Up to 97.1%	
User Interface	Colour LCD Display -Input/Battery/Output Voltage , Input/Output Frequency, Load % , Remaining Backup Time, Event Recording, Operation Mode		
Operating Temperature	0 to 40C		
Humidity Range	0-95% non condensing		
Audible Noise	<55dB at 1m	<56dB at 1m	<58dB at 1m
Communications	RS232, RS485, USB, Parallel Port (N+x)(LBS)(CAN-BMS), Ethernet SNMP, 4DI, Programmable 6RO Port, REPO, Battery Temperature (RS485 2 wire)		
Options	Battery Monitoring System, Battery Temperature Sensor, Parallel Cable		