

- ✓ 200-1000 kVA
- ✓ Monolithic
- ✓ Long Run Batteries
- ✓ Hot Swap Modules
- ✓ 380/400/415V
- ✓ Phase 3:3



ChargePro - Monolithic 200-1000kVA

Applications:

ChargePro monolithic range is a fully featured UPS for the most demanding and larger 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:

- **Robust & Reliable Construction**
All PCBs are conformally coated.
- **Inbuilt Mains, Output, Maintenance and Bypass Switch**
- **Supports 100% Unbalanced Loads**
Tolerates single phase loads on a three phase network.
- **High Power Density/Efficiency up to 97.1%**
- **Wide Input Voltage Range**
138-485V AC, no derating > 305V AC.
- **Ethernet SNMP Card Factory Fitted**
- **VRLA & Lithium Battery Support**
Flexible charging options for future battery technologies.
- **Advanced Communication Options**
- **N+X parallel redundancy - Supports a maximum of 8 parallel systems**
- **Generator Walk-In**
Avoids demand shock to an upstream generator, providing a reliable transfer.

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Optional Accessories:

- Parallel redundancy cables
- Battery temperature sensor
- Battery temperature & impedance measuring system



Technical Specifications:

ChargePro Monolithic 200-1000kVA

System Capacity	200kVA	250kVA	300kVA	400kVA	500kVA	600kVA	800kVA	1000kVA
Active Power	200kW	250kW	300kW	40kW	500kW	600kW	800kW	1000kW
Dimensions (WxDxH mm)	600x850x2000			1200x850x2000			2000x850x2000	
System Weight (kg)	360	400	480	530	800	890	1450	1600
External Battery	Customised Battery Design (360V to 600V DC nominal) VRLA or Lithium Support							
Module Battery Charge Current	80A (max.)	100A (max.)		140A (max.)	180A (max.)	200A (max.)	280A (max.)	340A (max.)

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	1.0				
Crest Factor	3:1				
Efficiency	Up to 97.1%				
User Interface	Large 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	<65dB at 1m	<68dB at 1m	<70dB at 1m	<73dB at 1m	<75dB 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				