



Modular, Flexible UPS for Continuous Power Availability

Xtreme Power M90Ci-2S UPS is a scalable, modular, flexible solution that combines continuous power availability and the highest efficiency for mission critical applications.

M90Ci-2S provides unity power factor output (kVA = kW) providing maximum usable power and avoids any need to oversize the UPS. Maintenance bypass within the UPS frame eliminate the need for external component connections, reducing installation costs.

Capacity, redundancy and, battery runtime, can all be customized to meet your specific needs.

PRODUCT SNAPSHOT

- › Capacity: 10kW
- › Up to 98% ECO mode or 94.5% online efficiency
- › Unity output power factor (kVA=kW)
- › Hardwired or cord/receptacle configurations
- › 2 years electronics, 2 years battery warranty (USA and Canada)

FEATURES

Power module LCD—
LCD display of power metering for individual phases and system summary

Maintenance bypass—
manually transfer critical loads from UPS power to utility power, enabling M90Ci-2S maintenance

Reduce energy cost—
best in class energy efficiency provides lowest energy consumption and heat output

Rack or tower mount—
rail kits or caster base configurations available LCD display

For a 6 slot enclosure reference at www.xpcc.com/m90Ci-6s

MODEL SELECTION GUIDE

For more information, visit www.xpcc.com/M90Ci-2S

MODEL NUMBER		M90Ci-2S-10K
CAPACITY	Power Rating	10kVA/10kW
INPUT	Voltage/Frequency Nominal	380/220V, 400/230V, 415/240V three-phase, 50/60Hz auto-sensing
	Voltage/Frequency Range	190-520VAC* (L-L) / 40-70Hz
OUTPUT	Voltage & Frequency	380/220V, 400/230V, 415/240V three-phase 50/60 Hz +/- 0.1Hz
	Efficiency	98% ECO mode and 94.5% online mode
	Overload Capacity	100% - 110% for 30 min; 110% - 130% for 5min; 130% - 150% for 10s; > 150% for 200ms
BATTERY SYSTEM	Nominal Voltage	+/-192 or +/-240VDC (+/192V default)
	Max charging (adjustable)	4A
SYSTEM ENCLOSURE	Dimensions & Weight	17.3"W x 31.5"D x 10.5"H (6U) / 34 lbs
	Maximum Capacity	10kVA/10kW
	Enclosure Capacity	2 slots including 1 power module only slot + 1 battery module only slot
	Output Connections	Hardwired or optional output cord/receptacles
ENVIRONMENT	Temperature	0-40°C (32-104°F)**
	Altitude	1585 meters above sea level**
	Audible noise	< 58dBA at 1.6 m
APPROVALS		UL1778 Power Module, CE Pending
COMMUNICATIONS INTERFACE		RS-232, USB, EPO, intelligent slot for optional cards (Web/SNMP, Relay, Modbus)
INCLUDED IN BOX		User manual, USB cable, RS-232, ViewPower software
AVAILABLE OPTIONS		Extended battery cabinet, caster base, 4-post rail kit

*Depending on load level **Battery Life is reduced above 30°C, UPS Capacity derates above 30°C and 5,200 ft above sea level.

BATTERY RUNTIMES

Load (kW)	1kW	2kW	3kW	4kW	5kW	6kW	7kW	8kW	9kW	10kW
M90Ci-2S10K	104	44	28	20	15	12	9	7	5	4

Runtimes are shown in minutes and will vary based on battery age and site conditions. Maximum 8 battery modules per UPS power module.

Receptacle Panels	
M90C-RPL	TBD

Maximum of 1 receptacle panel per enclosure

Modular Design
back plane connector for ease of installation and maintenance of UPS and Battery modules



M90Ci-2S front view

Optional Receptacle Panel M90C-RPL

Input breaker

Maintenance Bypass

Output breaker



M90Ci-2S rear view

X-TREME
Power Conversion®

Protect your business.

XPC USA / Denver, CO / sales@xpcc.com

XPC EMEA / Rotterdam, NL / emea@xpcc.com

www.xpcc.com

©2023 Xtreme Power Conversion Corporation. All Rights Reserved. M90C.01U (1/19/23)