XTREME POWER CONVERSION **M90Ci-6S**

Modular Online UPS // 400/230V Three-Phase

For more information, visit www.xpcc.com/m90ci-6s



Scalable, Modular, Flexible for Continuous Power Availability

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

M90Ci 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 eliminates the need for external component connections, reducing installation costs.

Capacity, redundancy and battery runtime can all be customized to meet your specific needs. Hot-swappable power and battery modules provide rapid maintenance and repair.

PRODUCT SNAPSHOT

- 10 to 60 kW in 10 kW power modules
- Modular for capacity or redundancy
- Unity output power factor (kVA=kW)
- Hot swappable power and battery modules
- Up to 98% ECO mode or 94% online efficiency
- Tower standard; M90S-RMK rack mount kit sold separately
- 2 years electronics, 2 years battery (USA and Canada); 1 year outside the USA and Canada

FEATURES

Power module LCD—each power module includes LCD display, providing module detailed information and redundancy

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

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

$50,000 load protection policy— protection against damaged connected equipment (USA and Canada)

Scalable—when power or runtime requirements change, modules can be added to increase capacity

Highest availability—system can be configured with redundant power and battery modules. N+1 redundancy up to 50 kW; 60 kW is non-redundant

Large LCD display—145mm display provides graphic display including status and alarms

XTREME Power Conversion®
Protect your business.

TAA

MODEL SELECTION GUIDE

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	MODEL NUMBER	M90Ci-10K	M90Ci-20K	M90Ci-30K	M90Ci-40K	M90Ci-50K	M90Ci-60K
CAPACITY	Power Rating	10kVA/10kW	20kVA/20kW	30kVA/30kW	40kVA/40kW	50kVA/50kW	60kVA/60kW
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% online mode					
	Overload Capacity	100% - 110% for 30 min; 110% - 130% for 5min; 130% - 150% for 10s; > 150% for 200ms					
BATTERY SYSTEM	Nominal Voltage	+/-192V (default) to +/- 240V					
	Max charging (adjustable)	4A	8A	12A	16A	20A	24A
MODULE DIMENSION & WEIGHT	Power Module	414mm W x 610mm D x 132mm H / 17 kg					
	Battery Module	414mm W x 610mm D x 132mm H / 49 kg					
SYSTEM ENCLOSURE	Dimensions & Weight	442mm W x 856mm D x 1156mm H (UPS & BC) // UPS 169 lbs, BC 162 lbs, both empty					
	Maximum Capacity	60kVA/60kW					
	Enclosure Capacity	6 slots including 5 universal slots + 1 power module only slot					
	Optional Battery Enclosure	7 slots for additional battery modules					
	Output Connections	Terminal blocks					
ENVIRONMENT	Temperature	0–40°C (32–104°F)**					
	Altitude	1,585 m (5,200 ft) above sea level**					
	Audible noise	< 58dBA at 1.6 m					
APPROVALS		CE, RoHS, TAA compliant; UL1778 (power module only)					
WARRANTY		2 years electronics, 2 years battery (USA and Canada); 1 year outside the USA and Canada					
COMMUNICATIONS INTERFACE		RS-232, USB, dry contacts, EPO, (2) intelligent slots for optional cards (Web/SNMP, Relay, Modbus)					
INCLUDED IN BOX		User manual, USB cable, RS-232, ViewPower software, anchor brackets					
AVAILABLE OPTIONS		Extended battery cabinet, M90S-RMK rack mount 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

	UPS					UPS + 1 BC							UPS + 2 BC		
Battery Modules	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
10kW	4	15	25	34	44	55	67	79	91	104	115	125	137	150	162
20kW	-	4	10	15	20	25	29	34	39	44	50	55	61	67	73
30kW	-	-	4	8	12	15	18	21	25	28	30	34	37	41	44
40kW	-	-	-	4	7	10	12	15	17	20	22	25	27	29	31
50kW	-	-	-	-	4	6	9	11	13	15	17	19	21	23	25
60kW	-	-	-	-	-	4	6	8	10	12	13	15	17	18	20

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

LCD Display
145mm display provides graphic display including status and alarms

Maintenance Bypass
full wrap around maintenance bypass (located behind hinged LCD display)

AC Terminal Blocks & Breakers

10kVA/10kW Power Module
includes PFC rectifier, battery charger, inverter and control circuits

Battery Module
includes 32 x 12V 5Ah batteries



M90Ci-6S front view



M90Ci-BC front view



M90Ci-6S rear view

DC Terminal Blocks

XTREME Power Conversion®

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