



## Scalable, Modular, Flexible for Continuous Power Availability

Xtreme Power M90Si UPS is a scalable, modular, flexible solution that combines continuous power availability and the highest efficiency for mission critical applications.

M90Si 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. Hot swappable power and battery modules provide rapid maintenance and repair.

### PRODUCT SNAPSHOT

- › Capacities: 10kVA/10kW, 20kVA/20kW, 30kVA/30kW
- › 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

### 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 M90Si maintenance

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

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

**Highest availability**—system can be configured with redundant power and battery modules

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

# MODEL SELECTION GUIDE

For more information, visit [www.xpcc.com/M90Si-6S](http://www.xpcc.com/M90Si-6S)

MODEL NUMBER		M90Si-6S 10K	M90Si-6S 20K	M90Si-6S 30K
CAPACITY	Power Rating	10kVA/10kW	20kVA/20kW	30kVA/30kW
INPUT	Voltage/Frequency Nominal	230V single-phase, 50/60Hz auto-sensing		
	Voltage/Frequency Range	110V-300VAC* /40-70Hz		
OUTPUT	Voltage & Frequency	208/220/230/240VAC 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		
	Maximum Capacity	30kVA/30kW		
	Max charging (adjustable)	4A	8A	12A
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=82kg / BC=73.5kg		
	Maximum Capacity	30kVA/30kW		
	Enclosure Capacity	6 slots including 3 universal slots + 3 battery only slots		
	Optional Battery Enclosure	7 slots for additional battery modules		
	Output Connections	Terminal blocks		
ENVIRONMENT	Temperature	0-40°C (32-104°F)		
	Altitude	1585 meters above sea level		
	Audible noise	< 58dBA at 1m		
APPROVALS	CE and RoHS (pending)			
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			

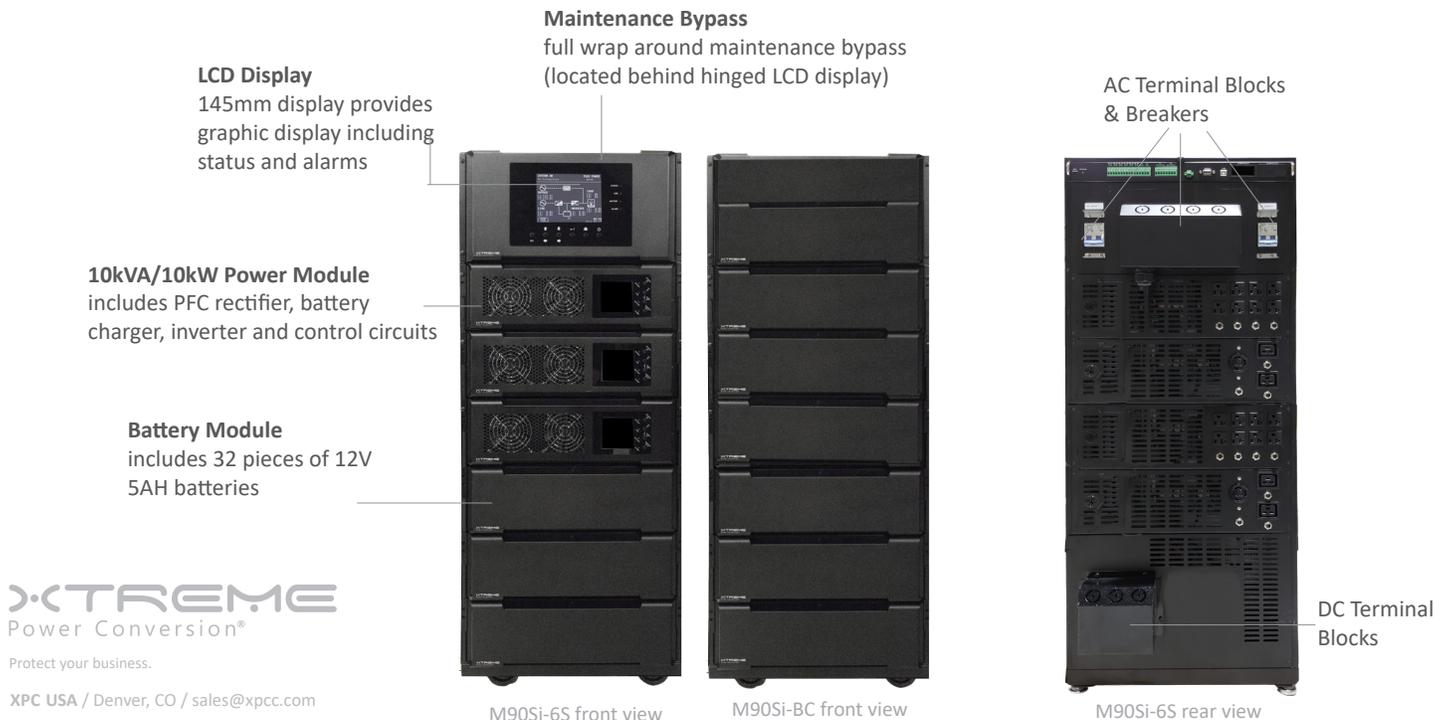
\*Depending on load level

## BATTERY RUNTIMES

Battery Modules	UPS					UPS + 1 BC7						UPS + 2 BC7			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
10kW	5	16	27	37	49	61	74	87	-	-	-	-	-	-	-
20kW	-	5	10	30	39	49	59	69	80	91	102	111	118	125	130
30kW	-	-	5	18	24	30	36	42	49	55	62	69	76	84	91

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.



**X-TREME**  
Power Conversion®

Protect your business.

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