XTREME POWER CONVERSION M90-80

Modular Online UPS // 208/120VAC Three-Phase



Mission critical availability with scalable, modular, high density M90-80 for 15kVA to 80kVA applications

The M90-80 is a scalable modular online double conversion UPS that protects critical data and equipment from power problems while supplying clean and reliable network grade power.

M90-80 can be configured with a fully redundant power module and battery modules. Should one module fail, the remaining modules smoothly take over the load. Because the modules are independent, they can be hot swapped without risk to the critical load.

For capacities up to 140kVA N+1 reference www.xpcc.com/m90-140

PRODUCT SNAPSHOT

- Capacities: 15kVA/13.5kW, 20kVA/18kW, 30kVA/27kW, 40kVA/36kW, 45kVA/40.5kW, 60kVA/54kW, 80kVA/72kW
- Modular for capacity or redundancy
- > Hot swappable power and battery modules
- > UL-1778 (TUV), cUL (TUV), FCC A, RoHS, TAA
- > 2 year electronics, 2 year battery warranty (USA and Canada)

FEATURES

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

Reduce energy cost—bestin-class energy efficiency provides lowest energy consumption and heat output

Scalable—when power or runtime requirements change M90-80 modularity makes it easy to add modules and increase capacity

Top feed cable entry— provides easy installation in data center environments

Maintenance bypass—

front mounted MBP switch transfers critical loads from UPS power to utility power, enabling maintenance

Large Touchscreen LCD display—10" display provides graphic display including status and alarms

Dual or single utility input— provides maximum installation flexibility

Power module ratings— 15kVA or 20kVA modules available



MODEL SELECTION GUIDE

	MODEL NUMBER	M9080-20k	M9080-40k	M9080-60k	M9080-80k					
CAPACITY	Power rating	20kVA/18kW	20kVA/18kW 40kVA/36kW		80kVA/72kW					
	Enclosure capacity: power modules	Up to 80KVA (4 x 20KVA) or up to 60kVA (4 x 15KVA)								
	Enclosure capacity: battery modules	4, 8, 12, or 16 internal battery modules								
INPUT	Voltage / frequency nominal	208/120V, 50/60Hz auto-sensing								
	Voltage / frequency range	121–253VAC* (L-L), 40–70Hz								
OUTPUT	Voltage	208/120V								
	Frequency	50/60Hz ± 0.5Hz								
	THD (full load)	< 2%								
	Efficiency	Up to 94% online mode or 98% ECO mode								
	Overload capacity	105%-110% for 60min; 110%-125% for 10min; 126%-150% for 1min; >150% for 200ms								
BATTERY SYSTEM	Nominal voltage	± 120V								
	Charge Current (programable)	8A 16A 24A 32A								
DIMENSIONS &	Enclosure	23.6"W x 43.3"D x 79.1"H / 657 lbs								
WEIGHT	Power module	19.5"W x 29.5"D x 5.5"H / 74 lbs								
	Battery module	4.3"W x 28.5"D x 6.5"H / 70 lbs								
ENVIRONMENT	Temperature	0-40°C (32-104°F)**								
	Altitude	5,200 ft above sea level**								
	Audible noise (typical)	< 69dBA at 1m								
APPROVALS		UL-1778 (TUV), cUL (TUV), FCC A, ROHS, TAA								
WARRANTY		2 years (USA and Canada)								
COMMUNICATIONS INTERFACE		RS-232, EPO, intelligent slot for optional cards (Web/SNMP, Relay, Modbus)								
INCLUDED IN BOX		User manual, RS-232 cable, unloading ramp, ViewPower Software								
AVAILABLE OPTIONS		External maintenance bypass, 480V input transformer, output distribution, battery temperature sensor								

^{*}Depending on load level **Battery life is reduced above 30°C, UPS capacity derates above 30°C and 5,200 ft above sea level.

INTERAL BATTERY RUNTIMES

System Load (kVA)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80
4 battery modules	42	18	11	7	-	-	-	-	-	-	-	-	-	-	-	-
8 battery modules	97	42	26	18	14	11	9	7	6	-	-	-	-	-	-	-
12 battery modules	138	68	42	30	23	18	15	13	11	9	8	7	-	4	-	-
16 battery modules	190	97	59	42	32	26	21	18	16	14	12	11	10	7	6	6

Runtimes are shown in minutes and will vary based on battery age and site conditions. For extended runtimes, reference www.xpcc.com/selector or contact sales@xpcc.com.

Maintenance Bypass

front mounted MBP switch transfers critical loads from UPS power to utility power, enabling maintenance

20kVA or 15kVA Power Module up to 4 modules for up to 80kVA capacity or 60kVA N+1



Protect your business.

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

M90-80 front view (door removed)

Top Feed Cable Entry

provides easy installation acess

STS Module

static switch with redundant power supplies

Battery Module up to 16 hot swappable battery modules



10" LCD Display

M90-80 front view (door closed)

www.xpcc.com