



## Scalable, Modular, Compact 480V UPS

MEPS X90-10S 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.

Optional 65kAIC maintenance bypass in slim matching cabinet providing the most compact footprint and reduced installation costs.

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### PRODUCT SNAPSHOT

- › Capacities: 70kW, 140kW, 210kW, 280kW, 350kW, 420kW, 490kW, 560kW, 630kW, 700kW
- › 65kAIC Rating
- › Hot swappable power modules
- › UL-1778, cUL, FCC A, RoHS, TAA
- › 2 year warranty (USA and Canada)

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### FEATURES

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

**Maintenance bypass**— optional slim maintenance bypass enables service and repair

**Reduce energy cost**— online efficiency up to 96.5% and ECO mode up to 99%

**Scalable**—add power or battery modules when requirements change

**Power module ratings**— 70kW modules available

**Full front access**— no rear clearance required for maintenance

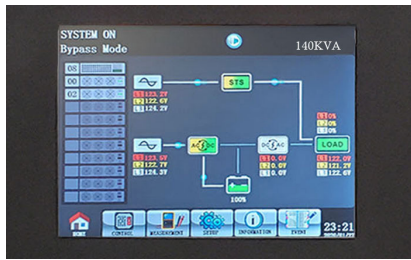
**Large Touchscreen LCD display**—10" display provides graphic display including status and alarms

**Dual or single utility input**— provides maximum installation flexibility

**Cable Access** —top or bottom cable access

# MODEL SELECTION GUIDE

MODEL NUMBER		MEPS X90-10S70k	MEPS X90-10S140k	MEPS X90-10S210k	MEPS X90-10S280k	MEPS X90-10S350k
CAPACITY	Power rating	70kVA/70kW	140kVA/140kW	210kVA/210kW	280kVA/280kW	350kVA/350kW
MODEL NUMBER		MEPS X90-10S420k	MEPS X90-10S490k	MEPS X90-10S560k	MEPS X90-10S630k	MEPS X90-10S700k
CAPACITY	Power rating	420kVA/420kW	490kVA/490kW	560kVA/560kW	630kVA/630kW	700kVA/700kW
CABINET	MEPS X90-10S UPS: power modules	Up to 700kW (10 x 70kW)				
INPUT	Voltage / frequency nominal	480VAC (3W), 50/60Hz auto-sensing				
	Voltage / frequency range	329 – 520VAC (L-L), 40–70Hz				
OUTPUT	Voltage	480VAC (3W)				
	Frequency	40–70Hz				
	Efficiency	Up to 96.5% online mode or 99% ECO mode				
	Overload capacity	105%-110% for 60min; 110%-125% for 10min; 126%-150% for 1min; >150% for 200ms				
BATTERY SYSTEM	Nominal voltage	+/-240VDC				
	Charge Current (programmable)	18A (70kW)	36A (140kW)	54A (210kW)	72A (280kW)	90A (350kW)
DIMENSIONS & WEIGHTS	UPS enclosure (W x D x H)	35.5 x 42 x 79 in / 787 lbs				
	Bypass enclosure (W x D x H)	17.7 x 42 x 79 in / 524 lbs				
	Power module	17.2 x 31.2 x 5.25 in / 104 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, cUL, 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		Matching external maintenance bypass, battery temperature sensor				



Touch LCD Display

**65kAIC breakers**  
Main, Maintenance  
Bypass & Output  
Breakers

Top/Bottom Cable Entry



Maintenance Bypass  
(door removed)



MEPS X90-10S  
70kW - 700kW UPS  
(door removed)

**UPS Enclosure**  
Includes slots for  
up to (10) 70kW  
power modules



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MEPS X90-10S 70kW - 700kW (Rev 3/18/24)