

Modular UPS Series

Advanced Modular Design and Redundant Power System

MD-E 20-90

Easy Installation

Modular design, easy maintenance & replacement

LCD Touch Screen

7 inches user friendly & colorful touch screen

Optional Battery Cabinet

Intergratable with 2 group of battery

Single & three phases Available

Support 3phase in/output, 3phase input/1phase output & Single in/output

Lightweight

Easy movement and installation-Friendly

Complete Solution For the integration of Server & Battery

Accessories cabinet embark the server, battery group with modular ups



Server Cabinet



Battery Cabinet

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Specifications

MODEL	MD20E	MD30E	MD40E	MD60E	MD90E
Maximum Capacity	20KVA	30KVA	40KVA	60KVA	90KVA
Maximum Number Built-in Power Module / Power Module	2pcs 10KVA/10KW	2pcs 15KVA/15KW	4pcs 10KVA/10KW	6pcs 10KVA/10KW	6pcs 15KVA/15KW
Topology	Modular On-Line / Double Conversion / High Frequency				
On-battery Output Waveform	Pure Sine Wave				
INPUT					
Nominal Voltage	L - L L - N	380V / 400V / 415V 3P4W + G 220V / 230V / 240V			
Nominal Frequency	50 / 60 Hz(Auto sensing)				
Power factor	>0.99				
Input Voltage Regulation	L - L L - N	305~478VAC at fully load 208~304VAC at <70% load			
Input Frequency Regulation	40 - 70Hz				
OUTPUT					
Nominal Voltage	380V / 400V / 4150V 3P4W + G (L-L)				
Voltage Precision	1.5%				
Voltage THDV (Total Harmonic Distortion)	THD<1% (Linear Load), THD<5.5% (Nonlinear Load)				
Nominal Frequency	50 / 60 Hz				
Frequency Precision	0.01%				
Efficiency	Up to 94.5%				
Overload Capacity	< 110%, Trasfer to Bypass after 1hr				
	111 ~ 125%, Trasfer to Bypass after 10mins				
	125% ~ 150%, Trasfer to Bypass after 1min				
	> 150%, Trasfer to Bypass after 200ms				
Bypass Capacity	< 125%, Long term operation	< 110%, Long term operation	< 125%, Long term operation		< 110%, Long term operation
	125% ~ 130%, Shutdown after 10mins	110 ~ 130%, Shutdown after 5mins	125% ~ 130%, Shutdown after 10mins		110 ~ 130%, Shutdown after 5mins
	131% ~ 150%, Shutdown after 1mins	131 ~ 150%, Shutdown after 1mins	131% ~ 150%, Shutdown after 1mins		131 ~ 150%, Shutdown after 1mins
	> 150%, Shutdown after 300ms	> 150%, Shutdown after 300ms	> 150%, Shutdown after 300ms		> 150%, Shutdown after 300ms
Crest Ratio	3:1				
BATTERY					
Battery Voltage	± 240VDC				
Max. Charging Current (Per Power Module)	20% Power				
Charging Voltage Precision	Yes				
Temperature Compensation	Yes				
BYPASS					
Bypass Allowable Voltage Range	-40% ~ +25% settable				
Bypass Frequency	±2.5% ~ 20% settable				
Bypass Overload Capactility	125%, Long Time Operation				
	125%<Load<130%, Operation Time for 10mins				
	130%<Load<150%, Operation Time for 1min				
150%<Load<200%, Operation Time for 300MS					
SYSTEM					
Line mode Efficiency	Normal Mode	96%			
	ECO Mode	99%			
Battery mode Efficiency	96%				
Display	LCD+LED, Touch Screen & Keyboard				
IP Class	IP20				
Communication Interface	RS232, RS485, Dry Contact & SNMP Slot				
ENVIRONMENTAL					
Operation Temperature	0 - 40°C				
IP Clase	IP 20				
Relative Humidity	0 - 95% (Non-condensing)				
Noise (dB)	<55dB				
Altitude of Operation	≤1000m above sea level, derate power by 1% per 100m between 1000m and 2000m				
PHYSICAL					
Cabinet	Dimension (WxDxH)	485×697×398mm	485×697×575mm	485×751×1033mm	
	Weight	42kg	51kg	70kg	70kg
Power Module	Dimension (WxDxH)	436×590×85mm			
	Weight	15.3kg	15.5kg	15.3kg	15.5kg

Specifications are subject to change without notice.