



MPM3300E - RT Series

3:3 phase PF 1.0

10~50kVA

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Operating mode

- Double conversion online design.
- Input power factor correction (PFC) technology, input power factor up to 0.99.

Fully digital control

- Digital signal process (DSP) makes the system more stable and reliable.

Parallel redundance function

- No require the parallel cabinet, can be paralleled directly; 10~30kVA can be paralleled by 4 sets, 40~50kVA by 6 sets.
- LBS synchronization (40~50kVA).
- Battery pack can be common connection in parallel operation.

Adjustable battery design

- 30~50 pcs battery are settable.

Output load capacity

- Suitable for complete unbalanced load.

Intelligent charging management

- Users can set the charging current, constant current, constant voltage and floating charging three-stage charging management automatic smooth switch.

Display

- LED+LCD.

Safe and reliable protection

- Power on self-diagnosis function.
- Output overload, output short circuit, inverter over temperature, battery under voltage warning and battery overcharge protection.
- Static electronic bypass switches.
- DC start function.
- Fan intelligent speed regulation design, prolong fan life, high efficiency and energy saving.

EPO function

- EPO is the Emergency Power Off.

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Technical Specification

MODEL | MPM3310E-RT | MPM3315E-RT | MPM3320E-RT | MPM3325E-RT | MPM3330E-RT | MPM3340E-RT | MPM3350E-RT

Capacity | 10kVA/10kW | 15kVA/15kW | 20kVA/20kW | 25kVA/25kW | 30kVA/30kW | 40kVA/40kW | 50kVA/50kW

INPUT

Nominal voltage	380/400/415Vac, (3Ph+N+PE)
Operating voltage range	138~485Vac
Operating frequency range	40Hz~70Hz
Power factor	≥0.99
Harmonic distortion (THDi)	≤3% Linear load
Bypass voltage range	Max.voltage:220V:+25% (Optional+10%,+15%,+20%) 230V:+20% (Optional+10%,+15%) 240V:+15% (Optional+10%) Min.voltage:-45% (Optional-10%,-15%,-20%,-30%)
Frequency synchronize tracing range	±10%
Generator input	Support

OUTPUT

Output voltage	380/400/415Vac (3Ph+N+PE)	
Voltage regulation	±1%	
Power factor	1.0	
Output frequency	Line Mode: ±1%/±2%/±4%/±5%/±10% of the rated frequency (Optional) Bat. Mode: (50/60±0.1%)Hz	
Crest factor	3:1	
Harmonic distortion (THDv)	≤2% with linear load ≤5% with non linear load	≤2% with linear load ≤4% with non linear load
Overload	Load≤110%: last 60min,≤125%: last 10min,≤150%: last 1min	

EFFICIENCY

Efficiency	up to 95.5%
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BATTERY

Battery voltage	Optional Voltage: ±180V/±192V/±204V/±216V/±228V/±240V/±252V/±264V/±276V/±288V/±300Vdc (30/32/34/36/38/40/42/44/46/48/50pcs optional) 360Vdc~600Vdc (30~50pcs, 30pcs default, 36~50pcs no power derating; 32~34pcs output power factor 0.9; 30pcs output power factor 0.8)
Charge Current(A)	18A Max. 20A Max.

SYSTEM FEATURES

Transfer time	Utility to Battery: 0ms; Utility to Bypass: 0ms
Alarm	overload, utility abnormal, UPS fault, battery low, etc.
Backfeed	Support
Protection	short circuit, overload, over temperature, battery low, fan fault alarm
Communication	USB, RS232, RS485, Parallel port, Dry contact port, REPO port, Backfeed port, SNMP card (Optional), Battery temperature sensor (Optional) USB, RS232, RS485, Parallel port, REPO port, LBS port, Dry contact port (Backfeed/Battery breaker driver), SNMP card (Optional), Relay card (Optional), Battery temperature sensor (Optional)

ENVIRONMENTAL

Operating temperature	0 C ~ 40 C
Storage temperature	-25 C ~ 55 C (No battery)
Humidity range	0 ~ 95% (Non condensing)
Altitude	<1500m, derating required when>1500m
Noise level	<55dB <56dB <58dB

PHYSICAL

Dimension WxDxH (mm)	440x670x130 (3U) 440x800x175 (4U)
Net weight (kg)	25 27 28 45 48

STANDARDS

Safety	IEC/EN 62040-1, IEC/EN 62477-1
EMC	IEC/EN 62040-2 (IEC 61000-2-2, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11)

- Specifications are subject to change without prior notice
- Data above are typical values for reference only, not as a basis for engineering design