

PM660

100 kVA (3:3)

PF 1.0



Operation

3P/3P,3P/1P,1P/1P,Online double conversion

Applications

Government, Finance, IT, Education, Transportation, Broadcasting, Medical, Energy, etc.

Characteristics

- Mounted in 19 inch rack, or stand alone.
- True Online Double Conversion IGBT-PWM technology.
- IGBT topology for PFC & Inverter
- 7 inch touch LCD, with IoT functions.
- High reliability and environment adaptability,with protection of components level.
- Extreme high power density, 30kW in 2U, friendly for space and maintenance.
- Option of 30A charger module for long backup applications. Expandable upto 40A



Model		MD100
Rate Power		100kVA/100kW
Main input	Module Size	25KVA/25KW
	Input	3P5W (3P+N+PE)
	Rate Voltage	380/400/415VAC(L-L); 220/230/240VAC(L-N)
	Rate Freq.	50/60Hz
	Input PF	>0.99
	Current distortion	THDi<3%(100% Linear load)
	Voltage range	304~478VAC(L-L)full load; 304~228VAC (L-L) power derate from 100% to 75%
	Freq. range	40-70Hz
Battery	Rate voltage	±240VDC(32-44 batteries settable)
	Charging capacity	20%*Pout
	Charging accuracy	±1%
Bypass	Rate voltage	380/400/415VAC(L-L)220/230/240VAC(L-N)
	Voltage range	Range: -40%- +25% , Settable, default -20%~+15%;
	Overload	110%, long time operation; 110%< load<125%, 5 mins; 125%<load<150%,1 min ; > 150%,1 second
Inverter	Rate voltage	380/400/415VAC(L-L); 220/230/240VAC(L-N)
	Rate Freq.	50/60Hz
	Output PF	1
	Voltage accuracy	±1.0%
	Load response	<5% (20% - 80% -20% step load)
	Recovery time	< 20ms (0% - 100% -0% step load)
	Output THDu	<1%(linear load),<5% (non-linear load according to IEC 62040-3)
	Overload	110%,1 hour; 125%,10 mins; 150%,1 min; >150%,200ms
	Frequency accuracy	0.1%
	Synchronize window	Settable, ±0.5Hz-±5Hz, default ±3Hz
	Slew rate	Settable, 0.5Hz/S-3Hz/S, default 0.5Hz/S
	Phase Accuracy	120°±0.5°
System	Efficiency	Normal Mode≥96%; Battery Mode≥96%
	Display	LED + 7 inch touch LCD
	Certification- Safety	IEC62040-1, IEC60950-1
	Certification- EMS	IEC62040-2; IEC61000-4-2(ESD); IEC61000-4-3(RS); IEC61000-4-4 (EFT); IEC61000-4-5 (Surge)
	IP degree	IP20
	Configuration	USB, RS232, RS485, Dry contact, Cold start
	Option	SNMP card、AS400 card、Parallel kit、LBS、Air filter
	Environment	0-40°C(operation); -25°C~70°C(storage); 0-95% (Humidity, non-condensing)
Noise(dB)(1 meter)	65dB @ 100% load, 62dB @ 45% load	
Dimension	Cabinet(W*D*H)mm	482*816*796 (18U, wheels not included)
	Module(W*D*H)mm	440*678*85 (2U)

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