



Power Castle MAX Series 1-10kVA, 1.0PF

1. DSP control, with excellent performance and comprehensive protections
2. Output PF 1.0, offering more stronger load capability
3. Advanced 3 level inverter technology, 95% efficiency, saving electricity cost
4. Ultra Wide Input: 110V-300Vac , well compatible with Gen-set
5. PCB with conformal coating for critical environment
6. EPO (emergency power off) and ECO function
7. Compact design to save installation space
8. Configurable output: 220/230Vac with LCD screen
9. AC and cold start function
10. Default RS232& USB and EPO interface , SNMP card (Optional)
11. IBM charger 1-12A settable, extending battery lifespan and satisfying fast charging requirement
12. Standard model with external battery interface for extending back up time
13. Battery test and EOD voltage settable on LCD
14. Simple design for fast and easy maintenance
15. Intelligent fan running, varying according to load and temperature
16. Default battery breaker for safety and convenience
17. Advanced parallel up to 4 units (Optional)
18. Manual bypass for 6-10kVA (Optional)

Technical Specifications:

Model	PCM1KS	PCM1KL	PCM2KS	PCM2KL	PCM2KL	PCM3KL	PCM6KS	PCM6KL	PCM10KS	PCM10KL
Phase	1phase 2wire+PE									
Capacity	1kVA/1kW		2kVA/2kW		3kVA/3kW		6kVA/6kW		10kVA/10kW	
Input										
Nominal Input Voltage	220/230/240VAC									
Input Voltage Range	110V~300V Half load 176V~300V Full Load									
Input Frequency Range	50/60Hz+/-10%									
Input Power Factor	0.99 @Full load									
THDi	≤3%(linear load),≤5%(non-linear load)									
Output										
Output Voltage	230V (220/240/208V Selectable)									
Output Voltage Regulation	1%									
Output Frequency (Sync.Mode)	46Hz~54Hz/56Hz~64Hz									
Output Frequency (Bat.Mode)	50Hz+/-0.05Hz 60Hz+/-0.05Hz									
Output THDv%	≤2% linear Load, ≤4% Non-linear Load									
Overload	AC Mode: 1mins@105%-125%,30S 125%-150%,						ACMode: 10mins@105%-125%,30S 125%-150%, BatteryMode:1mins@105%-125%, 10S 125%-150%			
Output Waveform	Pure Sinewave									
Transfer Time										
Line mode ↔ Bat Mode	0ms									
Inv ↔ Bypass Mode	<4ms									
Efficiency										

AC-->AC	Max.94%			Max.95%
ECO	98%			
Battery Mode	Max.94.5%			
Battery & Charger				
Battery Voltage/Capacity	Standard model:2 x 12V/9AHA Long run model:36V external battery	Standard model:6 x 12V/7AH Long run model:72V external battery	Standard model:6 x 12V/9AH Long run model:96V external battery	Standard model:16 x 12V/7AHA or 9AH Long run model:192V/240V external battery*
Battery Type	Maintenance Free Lead Acid (VRLA) for Standard Model with internal battery			
Recharge time	Standard model:7hours to above 90% Long run model:Subject to external battery configuration			
Max recharge current	Standard model:1-2A Long run model:1-12A settable			
Floating charge Voltage	27.3/41V	82V	82/109V	218.4V/273V
Display				
Display	LED/LCD(option)			
Buzzer Alarm	Bat.Mode/Bat.Low/OverLoad/Fault			
Communication Port	RS232+USB+EPO,SNMP(option)			
Physical				
Form factor	Tower / Rack			
Tower(W*H*D)MM	145*225*285	145*225*395	Standard model:192*352*4 50 Long run model:200*450*3 52	Standard model:200*460*800 Long run model:200*450*352
Rack	438mm(w) x 88mm(2U) x 500mm(D)			
Weight	18.6/9.0kg	19/10kg	25/11kg	6KVA:57/18kg 10kVA:67.5/20kg
Environment				
Humidity	5~97% (Non condensing)			
Operating Ambient temperature	0~40°C			
Noise	Less than 55dB@1M			
*Specification is subject to change without further notice;				

Note: "S" refers to "Standard model", "L" refers to "Long-run model" All specifications subject to change without further notice; customized specifications are acceptable