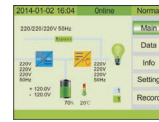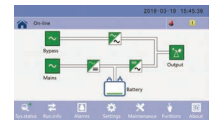# MYCAM

Segment LCD

TFT colourful LCD

7 inch colourful LCD

Battery cabinet (Optional)

Optimized battery configuration 7Ah/9Ah (12V)

Features

- High power density design
- N+X parallel redundancy,support maximum 4 units in parallel ·Online double conversion with DSP control
- Input crrent harmonic:<3%
- Wide input voltage range:208~478Vac
- Wide input frequency range 40~70Hz
- Optimization battery group,the quantity of battery 10~30kVA:16/18/20pcs (30~50pcs is optional) 40kVA:30~50pcs
- Maximum charging current up to 20A (Settable)
- Dual input source(optional for standard unit)
- Colorful 2.4 inch TFT LCD display and 7 inch LCD display LCD are optional
- Versatile LCD human-computer interface ·Generator compatible
- ECO mode operation for energy saving ·Intelligent fan speed regulation ·Self-testing when UPS startup
- 50/60Hz frequency converter mode
- The output can meet 100% unbalanced load
- Multiple protection function:short-circuit,overload,overheat, battery overcharge and overdischarge,output low voltage and fan fault alarm

- Multiple communication interface:USB, RS232,RS485, Parallel port, Dry contact, Intelligent slot, SNMP card (Optional), Relay card (Optional),Battery temperature sensor (Optional)

Relay card

SNMP

SNMP

Parallel cable

MYCAM

Technical Specifications

Model	MC310150
Capacity	15kVA
Input	
Nominal voltage	380/400/415Vac (3Ph+N+PE)
Input voltage range	305~478Vac(Full load); 208~478Vac(50% load)
Frequency range	40~70Hz (50/60Hz Auto-Sensing)
Power factor	≥0.99
Bypass voltage range	Max.voltage:220V:+25% (Optional+10%,+15%,+20%) 230V:+20% (Optional+10%,+15%) 240V:+15% (Optional+10%) Min.voltage:-45% (Optional-20%,-30%)
Frequency protection range	50/60Hz±10%
ECO range	Same as bypass
Harmonic distortion (THDi)	≤3% Linear load
Output	
Output voltage	380/400/415Vac (3Ph+N+PE)
Power factor	0.9
Voltage regulation	±1%
Output frequency (Line Mode)	±1%/±2%/±4%/±5%/±10% of the rated frequency (Optional)
Output frequency (Bat. Mode)	50/60(±0.1%)Hz
Transfer time (AC mode to Bat.Mode)	0ms
Transfer time (Inverter to Bypass)	0ms
Output waveform	Pure Sinewave
Crest factor	3:1
Harmonic distortion (THDv)	≤2% Linear load ; ≤5% Non linear load
Overload (AC mode)	≤110%,last 60min; ≤125%,last 10min; ≤150%,last 1min;>150% turn to bypass Immediately
Overload (Battery mode)	≤110%,last 10min; ≤125%,last 1min; ≤150%,last 5s;>150% turn to bypass Immediately
Efficiency	
Efficiency	up to 94.5%
Battery	
Battery voltage	±120Vdc (2x20pcs 12V9Ah) (2x20pcs 12V7Ah optional)
Charge Current (charge current can be set according to battery capacity installed)	2.7A
Physical	
Dimension W x D×H (mm)	250 x 900 x 868
Net weight (kg)	186/39
Environment	
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
Standards	
Safety	IEC/EN62040-1,IEC/EN62477-1
EMC	IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4, IEC61000-4-5,IEC61000-4-6,IEC61000-4-8

Specifications are subject to change without prior notice.

MYCAM

Technical Specifications   Battery Pack

Model	MC TB40120N	MC TB80120N	MC TB60180N	MC TB80240N
Battery System				
Battery type	VRLA (Lead acid maintenance free battery)			
Typical battery recharging time	6~8 hours (to 90% of full capacity)			
Typical battery life	3~5 years,depend on discharing cycle and ambient temperature			
System voltage	±120Vdc	±120Vdc	±180Vdc	±240Vdc
Battery quantity	2 * ±10 PCS	4 * ±10 PCS	2 * ±15 PCS	2 * ±20 PCS
Capacity	9Ah (12V)			
Physical				
Dimension W x D x H (mm)	250 x 619 x 616 (wheel)	250 x 900 x 868 (with wheel)		
Net weigth (kg)	122/134	244/265	200/215	244/265
Environment				
Safety	CE			
Operating environment	0°C~40°C			
Relative humidity	0~95% (Non condensing)			
Noise level	<40dB at 1 Meter			

Specifications are subject to change without prior notice.
Remark: MC TB80240N "MC" means series; "TB" means Battery Tower cabinet; "80" means battery number inside the cabinet;
"240" means the battery system voltage; "N" means battery with neutral connection.