MUST®

EK LCD SERIES OFFLINE UPS
(500VA-3000VA)

220 VAC
INPUT
220 VAC
OUTPUT
UPS
POWER
UPS-600VA
MUST

MUST MUST MUST MUST

Easily solve nine power problems

1 Grid cut-off

2 Voltage levels drop

3 Grid low voltage

4 Grid over voltage

5 Preventing surges

6 Preventing electronic jamming

7 Grid instantaneous

8 Frequency fluctuation

9 Harmonic distortion

This series is specifically designed for PC, small workstations, small communication equipment users and pure plastic case design, small volume, fashion aesthetic appearance, easy to operate. The SMD (Surface Mount Devices) technology etc. CPU integrated control technology, has the advantages of wide range of application of voltage, high performance, high reliability, automatic regulation, fast conversion speed, complete protection function, adapt to all kinds of environment.

Features

- Intelligent CPU control
- Auto restart while AC is recovering
- Boost and buck AVR for voltage stabilization
- Cold start function
- Off-mode charging
- Optional USB or RS-232 communication port, RJ-45 and SNMP
- Offering LED and LCD panels for selection, multi-color panel.

Rated power
300W-1800W

Simulated sine wave output
(Battery mode)

Smart LCD setting

Overload protection

Short circuit
protection

Cold start function

Built in
AVR function

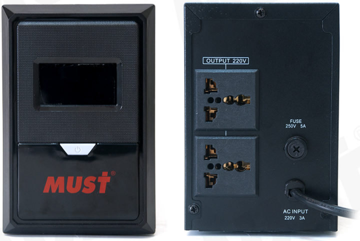
USB or RS-232 communication port,
RJ-45 and SNMP(optional)

Discharge
protection

MUST

Appearance

Rechargeable Sealed
Lead-Acid Battery
6FM-9
12V-9AH


MUST
OUTPUT 220V
FUSE
250V 5A
AC INPUT
220V 3A

(EK10-C800)

MUST
AC OUTPUT
AC OUTPUT
5A FUSE
AC INPUT

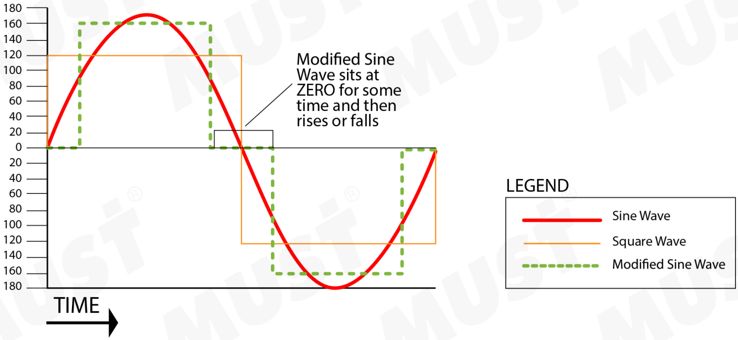
(EK10-C1500)

MUST
S3000
USB PORT
BREAKER FUSE
AC INPUT
OUTPUT
Printer

(EK10-C3000)

PRODUCT FEATURES

SMART & INTELLIGENT FEATURES



Output

With voltage regulation function, output voltage accuracy can be stable within ±10%; Output waveform: Sine wave in mains mode. Simulated sine wave in battery mode

Automatic Power On

When the power supply is interrupted, UPS will power down in battery mode. When the mains power is restored, UPS can start automatically and charge the battery at the same time, realizing the unattended function.

Self-check function

when starting up, it can automatically simulate power failure, self-check inverter and battery, and make accurate and reliable judgment, so as to comprehensively improve the safety of load.

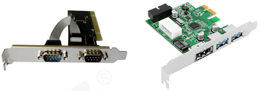
Automatic charging

It can charge the battery automatically when it is connected to the mains power even not turned on.

Monitoring accessories(optional)

MUST

USB/R232 Port (optional)：Support windows XP/Vista, Windows 7/8, Linux, Unix, and MAC

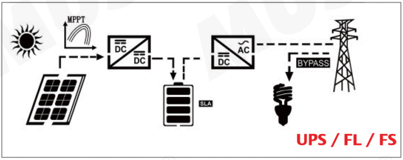

The image is only a reference

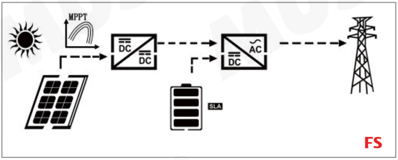
Optional SNMP：Power management from SNMP management and web browser

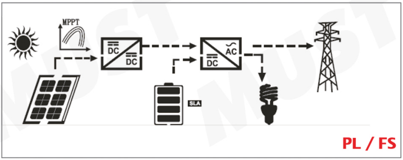
The image is only a reference

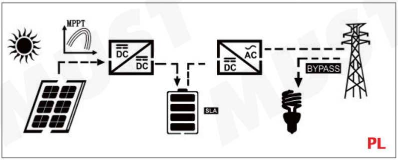
Work Mode, Plug and socket optional

ON/OFF Grid solar inverter work mode (Five modes)

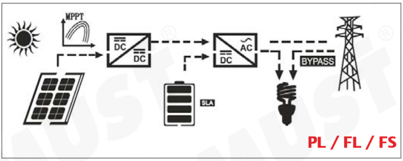

MPPT
DC
DC
AC
DC
BYPASS
SLA
UPS / FL / FS

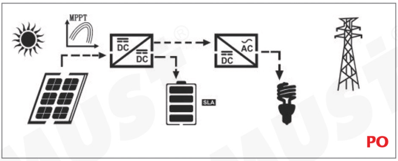

MPPT
DC
DC
AC
DC
SLA
FS

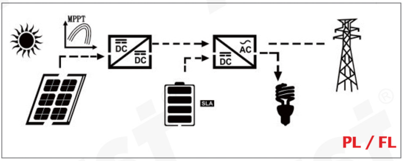

MPPT
DC
DC
AC
DC
SLA
PL / FS

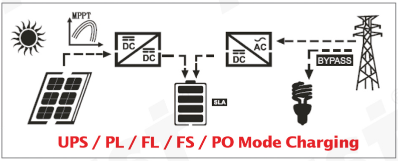

MPPT
DC
DC
AC
DC
BYPASS
SLA
PL

MUST®

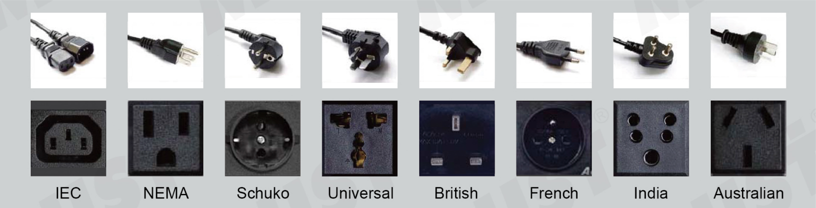

MPPT
DC
DC
AC
DC
BYPASS
SLA
PL / FL / FS


MPPT
DC
DC
AC
DC
SLA
PO


MPPT
DC
DC
AC
DC
SLA
PL / FL


MPPT
DC
DC
AC
DC
BYPASS
SLA
UPS / PL / FL / FS / PO Mode Charging

Plug and socket optional

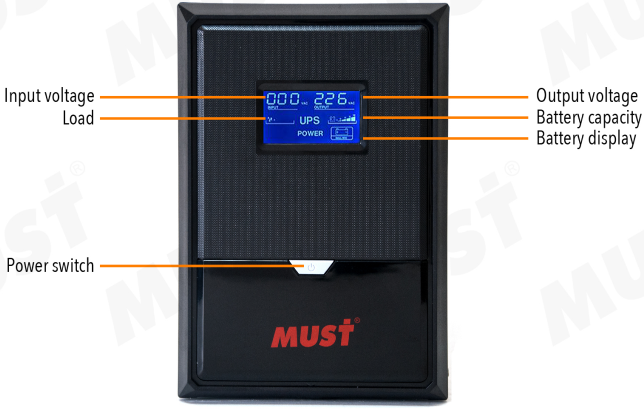

IEC
NEMA
Schuko
Universal
British
French
India
Australian

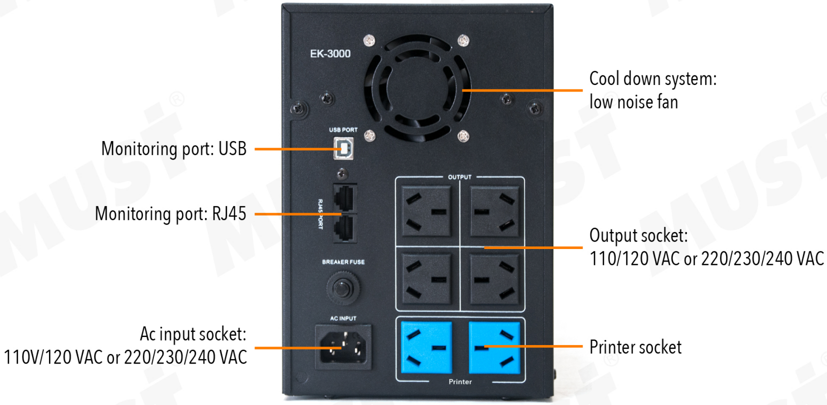
PRODUCT DETAILS

MUST HELP YOU CONTROL EVERY DETAIL

Details reflect quality

MUST


Input voltage
Load
Power switch
Output voltage
Battery capacity
Battery display
000 VAC
INPUT
226 VAC
OUTPUT
UPS
POWER
MUST


EK-3000
Cool down system:
low noise fan
USB PORT
Monitoring port: USB
Monitoring port: RJ45
RJ45 PORT
OUTPUT
Output socket:
110/120 VAC or 220/230/240 VAC
BREAKER FUSE
AC INPUT
Ac input socket:
110V/120 VAC or 220/230/240 VAC
Printer socket
Printer

PRODUCT PARAMETERS

MAKE SURE EACH PARAMETER IS TRUE

Learn more about the product

MODEL	EK-500	EK-650	EK-800	EK-1000A	EK-1000B	EK-1500	EK-2000A	EK-2000B	EK-3000
Capacity	500VA/300W	650VA/390W	800VA/480W	1000VA/600W	1000VA/600W	1500VA/900W	2000VA/1200W	2000VA/1200W	3000VA/1800W
INPUT									
Voltage	110V/120 VAC or 220/230/240 VAC								
Voltage range	81-145VAC or 145-275VAC								
Frequency	60/50 Hz(Auto sensing)								
OUTPUT									
Voltage	110/120 VAC or 220/230/240 VAC								
Voltage range	±10%								
Frequency range (battery mode)	60/50±1Hz								
Transfer time	4-6ms								
Wave form (battery mode)	Simulated sine wave								
BATTERY									
Battery model & Quantity	12V/4.5AH*1	12V/7AH*1	12V/9AH*1	12V/9AH*1	12V/7AH*2	12V/9AH*2	12V/9AH*2	12V/7AH*4	12V/9AH*4
Charge time	8 hours recover to 90% capacity								
PROTECTION									
Full protection	Discharge, Short circuit and overload protection								
INDICATORS									
LCD display	AC mode, Battery mode, Load level, Battery level, Input voltage, Output voltage, Overload and low battery								
ALARM									
Battery mode	alarm every 4 seconds								
Low battery	alarm every second								
Overload	alarm every second								
Fault	Continuous alarm								
INTERFACE									

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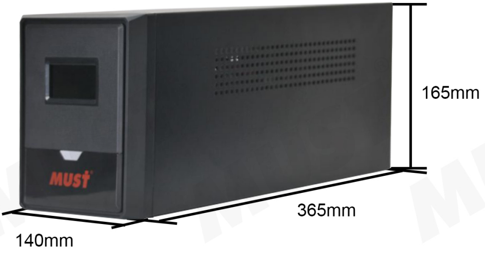
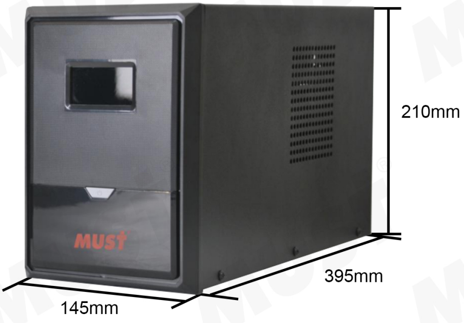
USB/R232 Port (optional)	Support windows XP/Vista, Windows 7/8, Linux, Unix, and MAC								
Optional SNMP	Power management from SNMP management and web browser								
ENVIRONMENT									
Humidity	0-90% RH @ 0-40℃ (Non-condensing)								
Noise Level	Less than 40dB								
Dimension(mm)	280*90*140	320*90*140	320*100*150	320*100*150	365*140*165	365*140*165	365*140*165	395*145*210	395*145*210
N.W.(kg)	4	5.2	5.7	8	10	11.9	12.6	17	21

Size

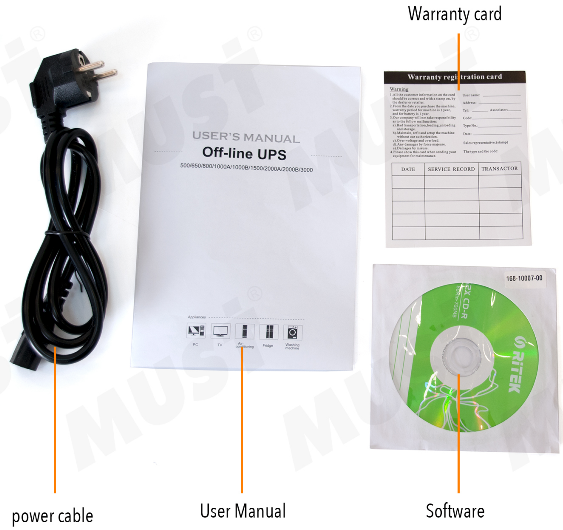

165mm
365mm
140mm

(EK-1000 / EK-1500 / EK-2000A)

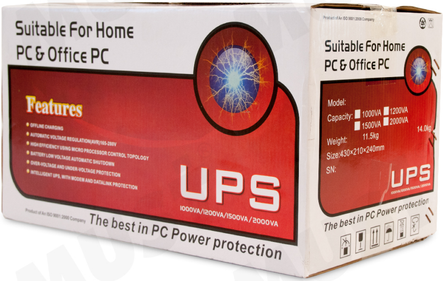

210mm
395mm
145mm

(EK-2000B / EK-3000)

Package


Warranty card
Warranty registration card
USER'S MANUAL
Off-line UPS
500/650/800/1000A/1000B/1500/2000A/2000B/3000
168-10007-00
RiTEK
power cable
User Manual
Software

MUST®


Suitable For Home PC & Office PC
Features
OFFLINE CHARGING
AUTOMATIC VOLTAGE REGULATION(AVR)165-280V
HIGH EFFICIENCY USING MICRO PROCESSOR CONTROL TOPOLOGY
BATTERY LOW VOLTAGE AUTOMATIC SHUTDOWN
OVER-VOLTAGE AND UNDER-VOLTAGE PROTECTION
INTELLIGENT UPS, WITH MODEM AND DATALINK PROTECTION
UPS
1000VA/1200VA/1500VA/2000VA
Product of An ISO 9001:2000 Company
The best in PC Power protection
Model:
Capacity: 1000VA 1200VA 1500VA 2000VA
Weight: 11.5kg 14.0kg
Size:430×210×240mm
SN:

Packaging

PRACTICAL APPLICATION

APPLICABLE PLACE

Office

PC system

Monitoring and automated control system

Medical equipment

MUST

Large conference room

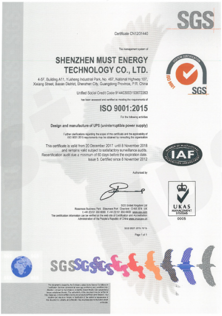
Railway facilities

Financial

PROFESSIONAL CERTIFICATION

CE FCC SAA ISO9001

High quality and high standard



Certificate CN12/31440

The management system of

SHENZHEN MUST ENERGY TECHNOLOGY CO., LTD.

4-5F, Building A11, Yusheng Industrial Park, No. 467, National Highway 107,
Xixiang Street, Baoan District, Shenzhen City, Guangdong Province, P.R. China

Unified Social Credit Code 914403003193672263

has been assessed and certified as meeting the requirements of

ISO 9001:2015

For the following activities

Design and manufacture of UPS (uninterruptible power supply)

Further clarifications regarding the scope of this certificate and the applicability of ISO 9001:2015 requirements may be obtained by consulting the organization

This certificate is valid from 20 December 2017 until 8 November 2018 and remains valid subject to satisfactory surveillance audits. Recertification audit due a minimum of 60 days before the expiration date. Issue 5. Certified since 8 November 2012

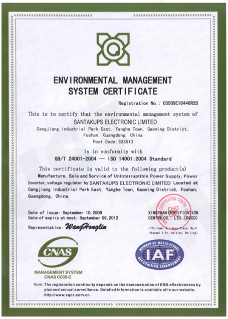
Authorised by

SGS United Kingdom Ltd
Rossmore Business Park Ellesmere Port Cheshire CH65 3EN UK
t +44 (0)151 350-6666 f +44 (0)151 350-6600 www.sgs.com

The certification information can be verified on the web site of Certification and Accreditation Administration of the People's Republic of China www.cnca.gov.cn

Page 1 of 1

SYSTEM CERTIFICATION
ISO 9001
SGS
MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT
IAF
UKAS MANAGEMENT SYSTEMS
0005
SGS



ENVIRONMENTAL MANAGEMENT SYSTEM CERTIFICATE

Registration No.: 03509E10446R2S

This is to certify that the environmental management system of
SANTAKUPS ELECTRONIC LIMITED
Cangjiang Industrial Park East, Yanghe Town, Gaoming District,
Foshan, Guangdong, China
Post Code: 528513

is in conformity with
GB/T 24001-2004 — ISO 14001:2004 Standard

This certificate is valid to the following product(s)
Manufacture, Sale and Service of Uninterruptible Power Supply, Power Inverter, voltage regulator by SANTAKUPS ELECTRONIC LIMITED Located at Cangjiang Industrial Park East, Yanghe Town, Gaoming District, Foshan, Guangdong, China.

Date of issue: September 10, 2009
Date of expiry at most: September 09, 2012
Representative: WangHonglin

XINGYUAN CERTIFICATION CENTRE CO., LTD. (XQCC)
(7FL, Tower C, Jiahua Plaza, No.9 Shangdi 3 St., Haidian, Beijing)

CNAS
MANAGEMENT SYSTEM
CNAS C035-E
MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT
IAF

Note: The registration continuity depends on the demonstration of EMS effectiveness by planned annual surveillance. Detailed information is available of in our website. http://www.xqcc.com.cn

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SHENZHEN MUST ENERGY TECHNOLOGY CO.,LTD.