

2023  
2024



**IPS**  
INTELLIGENT POWER SOURCES

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**UNINTERRUPTIBLE  
POWER SUPPLY  
(UPS)**

# LINE - INTERACTIVE WITH MODIFIED SINE WAVE

## FEATURES

- Topology phase autotrack
- tower case, desktop case
- single-phase input / output, 230 V AC, 50 Hz, PF=0,6
- pure sine wave output - mains supply mode
- modified sine wave output - inverter mode
- automatic voltage regulator - AVR
- Schuko or IEC output sockets



## APPLICATIONS

- low power telecommunication systems
- desktop computers
- CCTV, access control & IDS systems
- devices with switching power supply

MODEL	POWER	VOLTAGE	DIMENSIONS	BACKUP TIME	BATTERIES	SOCKETS
TM-LI-0k6-PC-1x7	600 VA / 360 W	230 VAC	90 × 305 × 165 mm	2 / 5 / 8 / 10 min*	1 × 12 V / 7 Ah	2 × Schuko
TM-LI-0k8-MC-1x9 TM-LI-0k8-MC-1x9-IEC	800 VA / 480 W	230 VAC	95 × 325 × 160 mm	2 / 5 / 8 min*	1 × 12 V / 9 Ah	2 × Schuko 2 × IEC C13
TM-LI-1k2-PC-2x7	1200 VA / 720 W	230 VAC	140 × 347 × 170 mm	2 / 5 / 8 min*	2 × 12 V / 7 Ah	3 × Schuko
TM-LI-2k0-MC-2x9 TM-LI-2k0-MC-2x9-IEC TM-LI-2k0-MC-2x7-IEC	2000 VA / 1200 W	230 VAC	220 × 380 × 125 mm	2 / 5 / 8 min*	2 × 12 V / 9 Ah 2 × 12 V / 9 Ah 2 × 12 V / 2x7Ah	2 × Schuko 2 × IEC C13 2 × IEC C13
TM-LI-3k0-MC-4x9-IEC	3000 VA / 1800 W	230 VAC	157.5 × 452 × 211 mm	2 / 5 / 6 min*	4 × 9 Ah	4 × IEC C13

\* 100%/75%/50%/25% load

MODEL	POWER	VOLTAGE	DIMENSIONS	BACKUP TIME	BATTERIES	SOCKETS
DM1-LI-0k6-PC-1x7	600 VA / 360 W	230 VAC	183 × 275 × 100 mm	2 / 5 / 8 min*	1 × 12 V / 7 Ah	3 × Schuko (UPS mode) 3 × Schuko (surge protection)

\* 100%/75%/50% load

## FEATURES

- internal AGM batteries, cold start
- communication USB port
- topology Line - interactive
- tower plastic case, LCD display
- short - circuit protection
- output PF - 0.6
- boost and BUCK AVR type
- auto - sensing frequency



## APPLICATIONS

- telecommunication systems
- security systems
- office devices

MODEL	POWER	VOLTAGE	DIMENSIONS	BACKUP TIME	BATTERIES	SOCKETS
TM-LI-OfficePRO-600-E2 TM-LI-OfficePRO-600-I4	600 VA / 360 W	230 VAC	90 × 305 × 165 mm	2 / 5 / 8 / 10 min*	1 × 12 V / 7 Ah	2 × Schuko 4 × IEC C13
TM-LI-OfficePRO-1200-E4 TM-LI-OfficePRO-1200-I4	1200 VA / 720 W	230 VAC	115 × 320 × 200 mm	2 / 5 / 8 / 10 min*	2 × 12 V / 7 Ah	4 × Schuko 4 × IEC C13

\* 100%/75%/50%/25% load

# LINE - INTERACTIVE WITH PURE SINE WAVE

## FEATURES

- built-in AGM batteries, cold start
- tower case
- single-phase input / output, 230 V AC, 50 Hz, PF = 0,8
- pure sine wave output - mains supply mode
- pure sine wave output - inverter mode
- automatic voltage regulator - AVR
- IEC C13 output sockets
- communication USB port
- possibility of connecting multiple battery packs
- SNMP and dry contact card option (not in standard)



## APPLICATIONS

- low power telecommunication systems
- desktop computers
- CCTV, access control & IDS systems
- devices with switching power supply
- motor drives

MODEL	POWER	VOLTAGE	DIMENSIONS	BACKUP TIME	BATTERIES	SOCKETS
TS1-LI-1k0-MC-LCD-2*7	1000 VA / 800 W	230 VAC	144 x 246.5 x 215 mm	2 / 4 / 7 min*	2 x 12 V / 7 Ah	3 x IEC C13
TS1-LI-2k0-MC-LCD-3*9	2000 VA / 1600 W	230 VAC	144 x 411.5 x 215 mm	2 / 4 / 7 min*	3 x 12 V / 9 Ah	3 x IEC C13
TS1-LI-3k0-MC-LCD-4*9	3000 VA / 2400 W	230 VAC	320 x 592 x 462 mm	2 / 4 / 7 min*	4 x 12 V / 9 Ah	6 x IEC C13
TS1-LI-1k0-MC-BC24	1000 VA / 800 W	230 VAC	144 x 246.5 x 215 mm	-	24 V / 1 - 15 A charger	2 x schucko, 1x IEC C13
TS1-LI-2k0-MC-BC48	2000 VA / 1600 W	230 VAC	144 x 411.5 x 215 mm	-	48 V / 1 - 20 A charger	2 x Schucko 1x IEC C13
TS1-LI-3k0-MC-BC48	3000 VA / 2400 W	230 VAC	320 x 592 x 462 mm	-	48 V / 1 - 25 A charger	2 x Schucko 1x IEC C13

\* 100%/75%/50% load

## FEATURES

- built-in AGM batteries, cold start
- RACK 19" (2U or 3U height) or tower
- single-phase input / output, 230 V AC, 50 Hz, PF = 0,8
- pure sine wave output - mains supply mode
- pure sine wave output - inverter mode
- automatic voltage regulator - AVR
- IEC C13 output sockets and SCHUCKO
- USB port
- possibility of connecting multiple battery packs
- SNMP and dry contact card option (not in standard)



## APPLICATIONS

- medium and high power telecommunication systems
- desktop computers
- CCTV, access control & IDS systems
- devices with switching power supply
- motor drives
- data processing systems

MODEL	POWER	VOLTAGE	DIMENSIONS	BACKUP TIME	BATTERIES	SOCKETS
RTS-LI-1k0-2U-LCD-2*7	1000 VA / 800 W	230 VAC	440 x 330 x 88 mm	2 / 4 / 7 min*	2 x 12 V / 7 Ah	1 x IECC13 1 x SCHUCKO
RTS-LI-1k5-3U-LCD-2*9	1500 VA / 1200 W	230 VAC	440 x 410 x 132 mm	2 / 4 / 7 min*	2 x 12 V / 9 Ah	3 x IECC13 3 x SCHUCKO
RTS-LI-2k0-3U-LCD-3*9	2000 VA / 1600 W	230 VAC	440 x 410 x 132 mm	2 / 4 / 7 min*	3 x 12 V / 9 Ah	3 x IECC13 3 x SCHUCKO
RTS-LI-3k0-3U-LCD-4*9	3000 VA / 2400 W	230 VAC	440 x 410 x 132 mm	2 / 4 / 7 min*	4 x 12 V / 9 Ah	3 x IECC13 3 x SCHUCKO

\* 100%/75%/50% load

# ONLINE DOUBLE CONVERSION WITH PURE SINE WAVE

## FEATURES

- built-in AGM batteries, cold start
- tower case
- single-phase input / output, 230 V AC, 50 Hz, PF = 0,9
- pure sine wave output - mains supply mode
- pure sine wave output - inverter mode
- automatic voltage regulator - AVR
- VFI-SS-111
- IEC C13 output sockets
- USB port
- EPO
- relay contacts card & SNMP (option)
- possibility of connecting multiple battery packs



## APPLICATIONS

- medium and high power telecommunication systems
- desktop computers
- data processing systems
- control systems
- servers (Data Center)



Built-in IPS or MW POWER AGM batteries

MODEL	POWER	VOLTAGE	DIMENSIONS	BACKUP TIME	BATTERIES	SOCKETS
TS1-ON-1k0-MC-3x9	1000 VA / 900 W	230 VAC	144 × 336 × 214 mm	5 / 9 / 16 min*	3 × 12 V / 9 Ah	3 × IEC C13
TS1-ON-2k0-MC-6x9	2000 VA / 1800 W	230 VAC	191 × 418 × 332 mm	5 / 9 / 16 min*	6 × 12 V / 9 Ah	6 × IEC C13
TS1-ON-3k0-MC-8x9	3000 VA / 2700 W	230 VAC	191 × 418 × 332 mm	4 / 7 / 12 min*	8 × 12 V / 9 Ah	6 × IEC C13
WAKSPOWER11-G4-06k0-5	6 kVA / 6 kW	230V / 230 V	191 × 465 × 711 mm	3 / 5 / 10 min*	16 × 12 V / 7Ah	Screw terminal
WAKSPOWER11-G4-10k0-4	10 kVA / 10 kW	230V / 230 V	191 × 465 × 711 mm	2 / 3 / 7 min*	16 × 12 V / 9 Ah	Screw terminal

\* 100%/75%/50% load

## FEATURES

- HOT SWAP BATTERY REPLACEMENT
- built-in AGM batteries, cold start
- RACK 19" (2U height) or tower
- single-phase input / output, 230 V AC, 50 Hz, PF = 0,9
- pure sine wave output - mains supply mode
- pure sine wave output - inverter mode
- automatic voltage regulator - AVR
- VFI-SS-111
- IEC C13 output sockets
- USB port
- EPO
- relay contacts card & SNMP (option)



## APPLICATIONS

- medium and high power telecommunication systems
- desktop computers
- data processing systems
- control systems
- servers (Data Center)

MODEL	POWER	VOLTAGE	DIMENSIONS	BACKUP TIME	BATTERIES	SOCKETS
RTS11-ON-1k0-2U-D4-2x9-14	1000 VA / 900 W	230 VAC	440/2U/290mm(320mm)	3 / 6 / 9 min*	2 × 12 V / 9 Ah	4 × IEC C13
RTS11-ON-2k0-2U-D6-4x9-18	2000 VA / 1800 W	230 VAC	440/2U/405(430mm)	3 / 6 / 9 min*	4 × 12 V / 9 Ah	8 × IEC C13
RTS11-ON-3k0-2U-D8-6x9-19	3000 VA / 2700 W	230 VAC	440/2U/533(562mm)	3 / 6 / 9 min*	6 × 12 V / 9 Ah	8 × IEC C13 + 1 × C19
WAKSPOWER11-G4-06k0-RT-BC192	6 kVA / 6 kW	230 VAC / 230 VAC	440 × 580 mm × 3U	5 - 120 min	External	Screw terminal
WAKSPOWER11-G4-10k0-RT-BC192	10 kVA / 10 kW	230 VAC / 230 VAC	440 × 580 mm × 3U	5 - 120 min	External	Screw terminal
WAKSPOWER11-G4-06k0-6URT-5	6 kVA / 6 kW	230 VAC / 230 VAC	440 × 660 mm × 6U	3 / 5 / 10 min*	16 × 12 V / 7Ah	Screw terminal
WAKSPOWER11-G4-10k0-6URT-4	10 kVA / 10 kW	230 VAC / 230 VAC	440 × 660 mm × 6U	2 / 3 / 7 min*	16 × 12 V / 9 Ah	Screw terminal

\* 100%/75%/50% load



# THREE-PHASE ONLINE UPS

## FEATURES

- active power factor correction (APFC), input power factor up to 0.99
- DSP digital control technology
- output power factor 1.0
- cold start, dual input
- wide input voltage range (190 V ~ 485 V)
- Auto sensing frequency
- 50 / 60 Hz frequency conversion mode
- work efficiency up to 98% in ECO mode
- flexible battery configuration for using 16 / 18 / 20 pcs batteries
- advanced battery management (ABM), automatic floating / equalizing charge control, charger dormancy control
- standard emergency power off (EPO)
- standard maintenance bypass
- optional N + X redundancy parallel up to 6 units
- suitable for 40pcs external AGM batteries (+/-20pcs system) for G5 10-30kVA



## APPLICATIONS

- medium and high power telecommunication systems
- desktop computers
- data processing systems
- control systems
- servers (Data Center)

MODEL	POWER	VOLTAGE	DIMENSIONS	BACKUP TIME	BATTERIES	SOCKETS
WAKSPOWER31-G4-10k0-BC192	10 kVA / 10 kW	3 × 400 VA / 1 × 230 V 1 × 230 V / 1 × 230 V	191 × 495 × 711 mm	5 - 120 min	External	Screw terminal
WAKSPOWER31-G4-20k0-BC192	20 kVA / 20 kW	3 × 400 VA / 1 × 230 V 1 × 230 V / 1 × 230 V	191 × 495 × 515 mm	5 - 60 min	External	Screw terminal
WAKSPOWER33-G4-40K0	40 kW / 40 kVA	3 × 400 VAC	450 × 940 × 1055 mm	5 - 120 min	External	Screw terminal
WAKSPOWER33-G4-60K0	60 kW / 60 kVA	3 × 400 VAC	450 × 940 × 1120 mm	5 - 120 min	External	Screw terminal

MODEL	POWER	VOLTAGE	DIMENSIONS	BACKUP TIME	BATTERIES	SOCKETS
WAKSPOWER33-G5-10K0-2BC240	10 kVA / 10 kW	3 × 400 VAC	250 × 720 × 560 mm	5 - 120 min	External	Screw terminal
WAKSPOWER33-G5-15K0-2BC240	15 kVA / 15 kW	3 × 400 VAC	250 × 720 × 560 mm	5 - 120 min	External	Screw terminal
WAKSPOWER33-G5-20K0-2BC240	20 kVA / 20 kW	3 × 400 VAC	250 × 720 × 560 mm	5 - 120 min	External	Screw terminal
WAKSPOWER33-G5-30K0-2BC240	30 kVA / 30 kW	3 × 400 VAC	450 × 840 × 650 mm	5 - 120 min	External	Screw terminal

# THREE-PHASE RACK UPS

## FEATURES

- RACK 19"
- suitable for 40pcs external AGM batteries (+/-20pcs system)
- active power factor correction (APFC), input power factor up to 0.99
- DSP digital control technology
- output power factor 1.0
- cold start, dual input
- wide input voltage range (190 V ~ 485 V)
- Auto sensing frequency
- 50 / 60 Hz frequency conversion mode
- work efficiency up to 98% in ECO mode
- flexible battery configuration for using 16 / 18 / 20 pcs batteries
- advanced battery management (ABM), automatic floating / equalizing charge control, charger dormancy control
- standard emergency power off (EPO)
- standard maintenance bypass
- optional N + X redundancy parallel up to 6 units
- dry contact in standard
- 5" touch panel



## APPLICATIONS

- medium and high power telecommunication systems
- desktop computers
- data processing systems
- control systems
- servers (Data Center)

MODEL	POWER	VOLTAGE	DIMENSIONS	BACKUP TIME	BATTERIES	SOCKETS
WAKSPOWER33-G5-10K0-RT-2BC240	10 kVA / 10 kW	3 × 400 VAC	440 mm × 660 mm × 3U	5 - 120 min	External	Screw terminal
WAKSPOWER33-G5-15K0-RT-2BC240	15 kVA / 15 kW	3 × 400 VAC	440 mm × 660 mm × 3U	5 - 120 min	External	Screw terminal
WAKSPOWER33-G5-20K0-RT-2BC240	20 kVA / 20 kW	3 × 400 VAC	440 mm × 660 mm × 3U	5 - 120 min	External	Screw terminal
WAKSPOWER33-G5-30K0-RT-2BC240	30 kVA / 30 kW	3 × 400 VAC	440 mm × 750 mm × 3U	5 - 120 min	External	Screw terminal

# PURE SINE HOME INVERTERS WITH UPS FUNCTION & UPS TO THE LIFTS

## FEATURES

- standalone housing or standalone
- pure sine wave output
- synchronize the output voltage to the mains
- work with plenty battery types
- cooperation with resistive, inductive, capacitive loads

## APPLICATIONS

- home appliance
- central heating and hot water systems
- garage doors, actuators, blinds



MODEL	POWER	VOLTAGE	DIMENSIONS	CHARGER	SOCKETS
IPSE3000-SIN-WM IPSE3000-SIN-WM-F2	300 VA / 300 W	230 VAC	400 × 210 × 127 mm	12 V, 1 A - 15 A	2 × French 2 × Schuko
IPSE6000-SIN-WM IPSE6000-SIN-WM-F2	600 VA / 600 W	230 VAC	490 × 290 × 195 mm	12 V, 1 A - 30 A	2 × French 2 × Schuko

## FEATURES

- standalone housing
- pure sine wave output
- automatic voltage regulator - AVR
- work with plenty battery types, interactive menu (14 function available)
- additional input DC +5V +12V +24V, possibility of cooperation with PV panel (IPSE3000-SIN-DC)

## APPLICATIONS

- desktop computers
- central heating and solar systems
- garage doors, actuators, blinds, CCTV, emergency lighting



MODEL	POWER	VOLTAGE	DIMENSIONS	CHARGER	SOCKETS
IPSE1000-SIN	1000 VA / 1000 W	230 VAC	293 × 280 × 160 mm	12 V, 1A - 40 A	2 × French
IPSE1600-SIN	1600 VA / 1600 W	230 VAC	293 × 497 × 209 mm	24 V, 1A - 40 A	2 × French
IPSE2500-SIN-WM	2500 VA / 2500 W	230 VAC	293 × 497 × 209 mm	24 V, 1 A - 50 A	Screw terminal
IPSE3500-SIN-WM	3500 VA / 3600 W	230 VAC	293 × 497 × 209 mm	24 V, 1 A - 60 A	Screw terminal

## FEATURES

- dedicated for LIFT system cabinets
- intelligent battery management
- LED or LCD function display
- cold start
- protections and auto-recovery

## APPLICATIONS

- lift & elevator system cabinets



MODEL	RATED POWER	VOLTAGE	TPOLOGY	BATTERY	SOCKETS
LiftUPS-1k5-3LED	1k5 / 900 W	230 VAC	line-interactive	External 5 × 12V/5 - 9Ah	Screw terminal
LiftUPS-1k5-6LED	1k5 / 900 W	230 VAC	line-interactive	External 5 × 12V/5 - 9Ah	Screw terminal
LiftUPS-1k5-LCD	1k5 / 900 W	230 VAC	line-interactive	External 5 × 12V/5 - 9Ah	Screw terminal

# PURE SINE HOME INVERTERS WITH UPS FUNCTION & UPS TO THE LIFTS

## FEATURES

- standalone housing
- pure sine wave output
- automatic voltage regulator - AVR
- PV solar input (AC-priority/PV-priority)
- compatible with AGM, GEL Ead acid and LiFePO4 (600 W / 1000 W) only batteries. PV solar input (AC-priority/PV-priority)

## APPLICATIONS

- desktop computers
- central heating and solar systems
- garage doors, actuators, blinds, CCTV, emergency lighting



MODEL	POWER	VOLTAGE	TPOLOGY	BATTERY	OUTPUT WAVEFORM	SOCKETS
CO-sinusUPS-400W	400 W	230 V / 230 V	line - interactive	External AGM 12 V	Pure sine wave	2 × French
CO-sinusUPS-400W-WM	400 W	230 V / 230 V	line - interactive	External AGM 12 V	Pure sine wave	2 × French
CO-sinusUPS-600W-LCD	600 W	230 V / 230 V	line - interactive	External AGM 12 V	Pure sine wave	2 × French
CO-sinusUPS-1000W/12V-LCD	1000 W	230 V / 230 V	line - interactive	External AGM 12 V	Pure sine wave	2 × French
CO-sinusUPS-400W-F2	400 W	230 V / 230 V	line - interactive	External AGM 12 V	Pure sine wave	2 × Schucko
CO-sinusUPS-400W-WM-F2	400 W	230 V / 230 V	line - interactive	External AGM 12 V	Pure sine wave	2 × Schucko
CO-sinusUPS-600W-LCD-F2	600 W	230 V / 230 V	line - interactive	External AGM 12 V	Pure sine wave	2 × Schucko
CO-sinusUPS-1000W/12V-LCD-F2	1000 W	230 V / 230 V	line - interactive	External AGM 12 V	Pure sine wave	2 × Schucko
PV-sinusUPS-600W-F2	600 W	230 V / 230 V	line - interactive	External AGM 12 V	Pure sine wave	2 × Schucko PV solar input
PV-sinusUPS-1000W/12V-LCD-F2	1000 W	230 V / 230 V	line - interactive	External AGM 12 V	Pure sine wave	2 × Schucko PV solar input

## MRC19 19" WALL - MOUNTED CASE

## FEATURES

- wall mounted
- opening side door
- active and pasive ventilation
- 3 independent keys

## MOUNTAGE TYPE

- mounting brackets
- holes in frame



MODEL	STANDARD	COLOR	FRONT DOOR	WIDTH	DEPTH	HIGHT	
MRC19-WM-4U-D4	19"	Black	Glass	600 mm	D4 = 450 mm D6 = 600 mm D8 = 800 mm	4U	
MRC19-WM-6U-D4 / MRC19-WM-6U-D6						6U	
MRC19-WM-9U-D4 / MRC19-WM-9U-D6						9U	
MRC19-WM-12U-D6						12U	
MRC19-WM-15U-D6 / MRC19-WM-15U-D8						15U	
MODEL	STANDARD	COLOR	FRONT DOOR	WIDTH	DEPTH	HIGHT	ADDITIONAL FUNCTION
MRC19-ST-12U-D6	19"	Black	Glass	600 mm	600 mm	12U	Standalone model

# ACCESSORIES

## FEATURES

- VRLA AGM technology
- design life of 6 - 9 years
- ideal for buffer work, dedicated to work in UPS
- standard dimensions, connector width of 6.3 mm
- working at 20 - 25° C



MODEL	VOLTAGE	CAPACITY	LIFETIME	DIMENSIONS	WEIGHT	TERMINAL TYPE
IPS 1.3-12	12 V	1.3 Ah	6 - 9 years	98 × 43 × 58 mm	0.56 kg	Faston 4.8 mm (T1)
IPS 2.3-12	12 V	2.3 Ah	6 - 9 years	177 × 35 × 67 mm	0.88 kg	Faston 4.8 mm (T1)
IPS 3.4-12	12 V	3.4 Ah	6 - 9 years	135 × 67 × 66 mm	1.28 kg	Faston 4.8 mm (T1)
IPS 5-12 IPS 5-12L	12 V	5 Ah	6 - 9 years	90 × 70 × 106 mm	2.10 kg	Faston 4.8 mm (T1) Faston 250 (T2)
IPS 7.2-12 IPS 7.2-12L	12 V	7.2 Ah	6 - 9 years	151 × 65 × 100 mm	2.45 kg	Faston 4.8 mm (T1) Faston 250 (T2)
IPS 9-12L	12 V	9 Ah	6 - 9 years	151 × 65 × 100 mm	2.5 kg	Faston 250 (T2)
IPSH 9-12L	12 V	9 Ah 290 W / 10 min	6 - 9 years	151 × 65 × 100 mm	2.75 kg	Faston 250 (T2)
IPS 12-12L	12 V	12 Ah	6 - 9 years	151 × 98 × 100 mm	3.90 kg	Faston 250 (T2)
IPS 18-12	12 V	18 Ah	6 - 9 years	181 × 76 × 167 mm	5.65 kg	Female thread M5
IPS 20-12	12 V	20 Ah	6 - 9 years	181 × 77 × 167 mm	5.5 kg	Female thread M5
IPS 26-12	12 V	26 Ah	6 - 9 years	166 × 175 × 125 mm	8.40 kg	Female thread M5
IPS 28-12h	12 V	28 Ah	6 - 9 years	166 × 125.5 × 176 mm	9.30 kg	Female thread M5
IPS 40-12	12 V	40 Ah	6 - 9 years	198 × 168 × 171 mm	13.30 kg	Female thread M6
IPS 45-12	12 V	45 Ah	6 - 9 years	198 × 166 × 171 mm	14 kg	Female thread M6
KU-BAT-2URT-2x7-BC24	24 V	2 × 7 Ah	6 - 9 years	2U	9.00 kg	DC socket + Plug
KU-BAT-2URT-3x9-BC36	36 V	3 × 9 Ah	6 - 9 years	2U	14.00 kg	DC socket + Plug
KU-BAT-2URT-4x9-BC48	48 V	4 × 9 Ah	6 - 9 years	2U	17.00 kg	DC socket + Plug
KU-BAT-2URT-6x9-BC72	72 V	6 × 9 Ah	6 - 9 years	2U	23.00 kg	DC socket + Plug
KU-BAT-3URT-8x9-BC96	96 V	8 × 9 Ah	6 - 9 years	3U	25.00 kg	DC socket + Plug
KU-BAT-3URT-16x9-BC96	96 V	16 × 9 Ah	6 - 9 years	3U	45.00 kg	DC socket + Plug
KU-BAT-3URT-16x7-BC192	192 V	16 × 7 Ah	6 - 9 years	3U	40.00 kg	DC socket + Plug
KU-BAT-3URT-16x9-BC192	192 V	16 × 9 Ah	6 - 9 years	3U	45.00 kg	DC socket + Plug
KU-BAT-3URT-20x9-BC240	240 V	20 × 9 Ah	6 - 9 years	3U	50.00 kg	DC socket + Plug

## FEATURES

- suitable for routers, switches, and CCTV cameras.
- optionable PoE
- multi selected voltage
- internal battery 8800 mAh
- internal USB charger



MODEL	POWER	VOLTAGE	DIMENSIONS	OUTPUT	ADDITIONAL SELECTION OPTION
RouterUPS-15	15 W	230 VAC	159 × 104 × 28 mm	5 V / 3 A max	9 V / 1,33 A max or 12 V / 1,25 A max
RouterUPS-15-POE	15 W	230 VAC		9 V / 1,33 A max or 12 V / 1,25 A max	15 V / 1 A max or 24 V / 0,62A max
RouterUPS-30	30 W	230 VAC		5 V / 2 A max	9 V / 2 A max or 12 V / 2 A max
RouterUPS-30-POE	30 W	230 VAC		9 V / 2 A max or 12 V / 2A max	15 V / 1 A max or 24 V / 2 A max
RouterUPS-18-DCDC	18 W	12 V DC	141 × 88 × 27 mm	12 V / 1.5 A max or 15V / 1.2A max	5 V / 2 A max



# MODUS UPS 25-125KVA

## FEATURES

- DSP microprocessor control technology
- True on-line, double conversion power protection, and with strong load capacity
- Modular hot-swappable design for easy maintenance and scalability
- High efficiency up to 96.5% at most frequently-used load rate
- Inbuilt integrated PDU system simplifying installation and saving investment
- Output power factor 1.0, input power factor 0.99, input THDi <3%, output THDv ≤ 1%
- 138 ~ 485 Vac wide input voltage range, 50 Hz / 60 Hz grid self-adaptive
- Soft-start technology improves generator matching up to 1:1.1
- Support two modes of frequency conversion: 50 Hz input / 60 Hz output and 60 Hz input / 50 Hz output
- Intelligent hibernation mode upgrading enables UPS to operate efficiently at low load rate
- Advanced parallel and redundancy technology, support 4 units connected in parallel
- Share battery pack in parallel operation, saving user's battery cost
- Flexible charger parameter and battery configuration settings, battery number 30 ~ 46 pcs selectable
- Intelligent battery management technology (Intelligent charge / discharge management and float charging voltage temperature compensation), extending battery lifespan
- Support cold start with battery and auto restart with mains power
- Self-aging function to simplify debugging and test on site
- Fault-tolerant design for fan system, taking 30% loads when 2 fans fail and 50% loads when 1 fan fails
- Superior hardware and software protection function, robust self-diagnostic function, and abundant event log for check
- 7 inches LCD touch screen, friendly human-machine interface
- System with built-in SNMP, supporting RS485 and dry contacts
- Back-feed protection function (optional)



RATED CAPACITY OF SYSTEM CABINET	MODULES QUANTITY	RATED VOLTAGE	BATTERY	NUMBER OF BATTERY	DIMENSIONS
25 kVA	1 × 25 kVA	380 VAC, 400 VAC, 415 VAC	±240 VDC (±180, ±192, ±204, ±216, ±228, ±252, ±264, ±276, selectable)	40 pcs 12 V (30, 32, 34, 36, 38, 42, 44, 46 selectable)	600 × 850 × 2000 mm
50 kVA	2 × 25 kVA				
75 kVA	3 × 25 kVA				
100 kVA	4 × 25 kVA				
125 kVA	5 × 25 kVA				

# MRC19 19" WALL - MOUNTED CASE

## FEATURES

- internal AGM battery
- line-interactive transfer type
- AVR
- output sockets „schuko“ type, and IEC
- suitable for RACK 19"
- cold start
- LED indicators
- alarm beeper in battery mode
- dedicated PC software application
- indoor use only

## APPLICATIONS

- CCTV
- access control
- alarm systems



MODEL	POWER	VOLTAGE	DIMENSIONS	BACKUP TIME	BATTERIES	SOCKETS
CCTVups-2U-1200	1200 VA / 720 W	230 VAC	19" × 320 mm × 2U	1 / 5 / 8 min*	2 × 12 V / 7 Ah	1 × Schuko / 2 × IEC C13
CCTVups-2U-2000	2000 VA / 1200 W	230 VAC	19" × 320 mm × 2U	1 / 5 / 8 min*	2 × 12 V / 9 Ah	1 × Schuko / 2 × IEC C13
CCTVups-2U-1200-LCD	2000 VA / 1200 W	230 VAC	19" × 320 mm × 2U	1 / 5 / 8 min*	2 × 12 V / 9 Ah	1 × Schuko / 2 × IEC C13
CCTVups-2U-2000-LCD	2000 VA / 1200 W	230 VAC	19" × 320 mm × 2U	1 / 5 / 8 min*	2 × 12 V / 9 Ah	1 × Schuko / 2 × IEC C13

\* 100%/75%/50%/25% load

# LINE - INTERACTIVE WITH MODIFIED SINE WAVE

## FEATURES

- built-in AGM batteries, cold start
- RACK 19" (2 U or 3 U height)
- single-phase input / output, 230 V AC, 50 Hz, PF = 0,6
- pure sine wave output - mains supply mode
- modified sine wave output - inverter mode
- automatic voltage regulator - AVR
- Schuko output sockets

## APPLICATIONS

- low power telecommunication systems
- desktop computers
- CCTV, access control & IDS systems
- devices with switching power supply



MODEL	POWER	VOLTAGE	DIMENSIONS	BACKUP TIME	BATTERIES	SOCKETS
RM-LI-1k2-2U-LCD-2×7	1200 VA / 720 W	230 VAC	438 × 307 × 88 mm	2 / 5 / 8 min*	2 × 12 V / 7 Ah	2 × Schuko
RM-LI-2k0-3U-LCD-2×9	2000 VA / 1200 W	230 VAC	437 × 307 × 132 mm	2 / 5 / 8 min*	2 × 12 V / 9 Ah	2 × Schuko

\* 100%/75%/50%/25% load

# PORTABLE STATION

## FEATURES



- larger Smart Display
- five Ways to Recharge & fast charging
- 3000+ charging cycles
- LiFePo4 battery
- non - toxic
- 10 years Battery Life
- Additional accesories





MODEL	POWER	VOLTAGE	DIMENSIONS	BACKUP TIME	BATTERIES	SOCKETS
IPS PS-600	1200 VA / 720 W	230 VAC	438 × 307 × 88 mm	2 / 5 / 8 min*	2 × 12 V / 7 Ah	2 × Schuko
IPS PS-1200	2000 VA / 1200 W	230 VAC	437 × 307 × 132 mm	2 / 5 / 8 min*	2 × 12 V / 9 Ah	2 × Schuko

# ACCESSORIES




## DRY CONTACT CARDS

PRODUCT	PHOTO	DESCRIPTION	SERIES APPLICATION
KU-CARD-IDM-AS401P		Dry contact relays, 2-way cominucation / signal	TS1-0N RTS11-0N WAKSPOWER11 WAKSPOWER33
KU-CARD-AS400-LI			TS1-LI RTS-LI



## NETWORK COMMUNICATION

PRODUCT	PHOTO	DESCRIPTION	SERIES APPLICATION
KU-CARD-SNMP-IDA-ST200		Active alarm and report function Support TSP/IP, SNMP, FTP, NTP, http, SMTP agreement Provide software upgrade configutration tool	TS1-0N RTS11-0N WAKSPOWER11 WAKSPOWER33
KU-CARD-SNMP-IDA-ST400			TS1-LI RTS-LI

## BYPASS

PRODUCT	PHOTO	DESCRIPTION	SERIES APPLICATION
KU-MBS11-3k-1U		230 VAC, max 3 kVA Input -> output manual bypass	TS1-0N RTS11-0N
KU-MBS11-10k-2U		230 VAC, max 10 kVA Input -> output manual bypass	WAKSPOWER11
KU-MBS33-15k0		230 VAC, max 15 kVA Input -> output manual bypass	WAKSPOWER33
KU-MBS33-30k0		230 VAC, max 30 kVA Input -> output manual bypass	WAKSPOWER33

## CABLES

PRODUCT	PHOTO	DESCRIPTION
KU-KB-M8-M8-10MM-015-BL		M8-M8 battery terminal, wire 10 mm <sup>2</sup> black, length 15 cm
KU-KB-M8-M8-10MM-030-BL		M8-M8 battery terminal, wire 10 mm <sup>2</sup> black, length 30 cm
KU-KB-M8-M8-10MM-065-BL		M8-M8 battery terminal, wire 10 mm <sup>2</sup> black, length 65 cm
KU-KB-M8-M8-10MM-100-BL		M8-M8 battery terminal, wire 10 mm <sup>2</sup> black, length 100 cm
KU-KB-M8-M8-10MM-030-RD		M8-M8 battery terminal, wire 10 mm <sup>2</sup> red, length 30 cm
KU-KB-M8-M8-10MM-065-RD		M8-M8 battery terminal, wire 10 mm <sup>2</sup> red, length 65 cm
KKU-KB-M8-M8-10MM-100-RD		M8-M8 battery terminal, wire 10 mm <sup>2</sup> red, length 100 cm

## CIRCUIT BREAKERS

PRODUCT	PHOTO	PARAMETERS
KU-CB01-63A-250V		DC 63 A / 250 V (for 1 string)
KU-CB01-80A-600V		DC 80 A / 600 V (for 1 string)
KU-CB01-100A-600V		DC 100 A / 600 V (for 1 string)
KU-CB01-125A-600V		DC 125 A / 600 V (for 1 string)
KU-CB01-80A-2BC240		DC 80 A / 600 V (for symetric string +/-)
KU-CB01-100A-2BC240		DC 100 A / 600 V (for symetric string +/-)
KU-CB01-125A-2BC240		DC 125 A / 600 V (for symetric string +/-)



# IPS

INTELLIGENT POWER SOURCES

[www.ips-ups.eu](http://www.ips-ups.eu) / [info@ips-ups.eu](mailto:info@ips-ups.eu)

## IPS-UPS



## IPS RACK



## IPS BATTERY



## IPS HEAT



## IPS PV



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