

## UPS-MAK SERIES 15 kVA SINGLE PHASE UPS

<http://www.mak-powersis.de/15kva-single-phase-ups.html>

<b>POWER</b>	Power VA	15 kVA
	Power W	12 kW

<b>INPUT</b>	Voltage	220 / 230 Vac 1ph+N
	Voltage tolerance	-% 25 / +%20 (without downgrading)
	Frequency	50 / 60 Hz (Auto detect)
	Frequency tolerance	+/- 10 %
	Power factor	>0.99
	THDi	+/- %5

<b>OUTPUT</b>	Voltage	220 / 230 Vac 1ph+N
	Voltage tolerance	+/-1 (static load) dynamic load in accordance with VFI-SS-11
	Current A	69 A
	Frequency	+/- 10 %
	Frequency tolerance	+/- %0.1 (self-synchronize) +/- %1 (mains synchronize)
	Power factor	0.7
	THDi	<%2 (lineer load), <%5 (Nonlinear load)
	Crest factor	03:01:00

<b>OVERLOAD CAPACITY</b>	%110	30 Min.
	%125	10 Min.
	%150	1 Min.
	>%150	10 Sec.

<b>EFFICIENCY</b>	Eco-Mod	Up to %98
	Online	Up to %94

<b>GENERAL</b>	Technology	Three leven inverter PFC
	Control	Dual-DSP, SPWM
	Communication	SNMP(Optional), RS232, RS485, MODEM, MODBUS
	Remote monitoring	SNMPView, Remote monitoring panel(optional)
	Dry conctects	Programmable 3 dry contacts
	Custom inputs	Generator, Remote EPO, Remote Start/Stop
	Cold start	Standard
	Maintenance Bypass	Standard

<b>ENVIRONMEN</b>	Operating temperature	from 0 °C up to +40 °C (from 20 °C to 25 °C for maximum battery life)
	Realtive humidity	%0 -%85 (without condansation)
	Maximum altitude	>2000 m.
	Noise level	<55 dB(A)

<b>UPS CABINET</b>	Dimention WxDxH (mm)	255 x 730 x 870
	Weight (kg)	49
	Degree of protection	IP 20

## 15 kVA UPS

	Colour	RAL 7012
<b>BATTERY</b>	Internal battery quantity	8
	Internal battery capacity(Ah)	20 – 30
	External battery cabinet socked	Standard
<b>STANDARDS</b>	Safety	EN 62040-1
	EMC	EN 62040-2
<b>UPS LIFE TIME</b>		10 Years