

product specifications

6-10kVA 230 V VRLA

MODEL		U06S12V/U06N12V	U10S12V/U10N12V
Output power capacity		6000 VA	10000 VA
Max Configurable Power (Watts)		6000 W	10000 W
Nominal output voltage		230 VAC (220 VAC, 240 VAC selectable)	
Output voltage distortion	Linear load	<3%	
	Non linear load	<5%	
Output frequency	Online mode	50/60 ±4 Hz	
	Battery mode	50/60 ±0.1 Hz	
Output power factor		1	
Load crest factor		3:1	
Topology		Double Conversion Online	
Waveform		Pure Sine Wave	
Overload capability	Online mode	105% - 125%: 5 min; 125% - 130%: 1 min; >130%: 200 ms, transfer to bypass	
	Battery mode	105% - 125%: 1 min; 125% - 130%: 30 s; >130%: 200 ms, shut down	
Transfer time (typical)	Online mode <-> Battery mode	0 ms	
	Inverter <-> Bypass	0 ms	
Efficiency	Online mode	94.0%	95.0%
	ECO mode	97.5%	98.0%
Output connection	Programmable	(2) IEC C19; (2) IEC C13	
	Non-programmable	HW terminal (L+N+G)	
Bypass		Internal	

INPUT

Nominal input voltage		230 VAC (220 VAC, 240 VAC selectable)	
Input voltage range	Full load	176 - 264 VAC	
	Half load	110 - 285 VAC	
Input frequency range		40 - 70 Hz (auto sensing)	
Input connection		HW terminal (L+N+G)	
Input power factor		>0.99 (full load)	

BATTERY

Battery type		VRLA	
Typical recharge time		4-6 hours	
Battery voltage		240 VDC	
Battery quantity × capacity		20 × 12 V / 9 Ah	
Charging current (max.)		10 A	
Backup time	Full load	15 min.	9 min.
	Half load	30 min.	18 min.
Expected Battery Life (years)		3-5 years	
EBP Replacement Cartridge		UVD240	
Additional External Battery Pack (EBP)		UVP240	
Maximum External Battery Pack (EBP) quantity		5 units	
Communication ports		USB, RS232, intelligent slot	
Pre-Installed iNMC Card		N model only	
Local Display/Control Panel		3.5 inch colorful touch screen	
Audible Alarm		Yes	
Emergency Power Off (EPO)		Yes	

UPS 5-10kVA VRLA

6-10kVA 230 V VRLA (continued)

ENVIRONMENTAL

Operating temperature	32°F - 104°F (0°C - 40°C) (no derating)	
Storage temperature	-25°C - 55°C (without batteries)	
Relative humidity	0% - 95% (non-condensing)	
Operating elevation	Up to 3000m (derated 10%)	
Online thermal dissipation	1306 BTU/hour	1795 BTU/hour
Protection class	IP20	
Noise level	<55dB at 1m	<58dB at 1m

CONFORMANCE

Safety	CB: IEC62040-1:2013, CE-LVD: EN62040-1:2008+A1:2013, UKCA: BS62040-1:2013, RCM	
EMC	IEC 62040-2-2016, EN 62040-2-2018, BS62040-2-2018	
Transportation	ISTA Procedure ISTA Procedure 2B	
Surge protection	IEEE/ANSI C62, 41 Category A, Level 3; 600 Joules	

CUSTOMER SERVICE

Warranty	3 years for UPS & EBP, 2 years for battery	
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SUSTAINABLE OFFER STATUS

RoHS	Compliant	
Proposition 65 Warning	See Safety Sheet (IM053)	

PHYSICAL

Maximum height	131mm UPS + 131mm Battery	
Maximum width	440mm UPS + 440mm Battery	
Maximum depth	666mm UPS + 666mm Battery	
Rack height	6 RU	
Net weight	101 kg	103 kg
Shipping weight	116 kg	118 kg
Shipping height	280mm UPS + 280mm Battery + 144mm Pallet	
Shipping width	565mm (22.2")	
Shipping depth	865mm Pallet	
Color	Black	

5-10kVA 208 V VRLA

MODEL	U05S11V/U05N11V	U06S11V/U06N11V	U10S11V/U10N11V
Output power capacity	5000 VA	6000 VA	10000 VA
Max Configurable Power (Watts)	5000 W	6000 W	10000 W
Nominal output voltage	208 VAC (240 VAC selectable)		
Output voltage distortion	Linear load	<3%	
	Non linear load	<5%	
Output frequency	Online mode	50/60 ±4 Hz	
	Battery mode	50/60 ±0.1 Hz	
Output power factor	1		
Load crest factor	3:1		
Topology	Double Conversion Online		
Waveform	Pure Sine Wave		
Overload capability	Online mode	105% - 125%: 5 min; 125% - 130%: 1 min; >130%: 200 ms, transfer to bypass	
	Battery mode	105% - 125%: 1 min; 125% - 130%: 30 s; >130%: 200 ms, shut down	
Transfer time (typical)	Online mode <-> Battery mode	0 ms	
	Inverter <-> Bypass	0 ms	

UPS 5-10kVA VRLA

5-10kVA 208 V VRLA (continued)

Efficiency	Online mode	93.5%	94.0%	95.0%
	ECO mode	97.0%	97.5%	98.0%
Output connection	Programmable	(2)L6-30R		
	Non-programmable	(2) NEMA L6-30R	HW terminal (L1+L2+G)	
Bypass	Internal			

INPUT

Nominal input voltage	208 VAC (240 VAC selectable)			
Input voltage range	Full load	185 - 264 VAC		
	Half load	110 - 285 VAC		
Input frequency range	40 - 70 Hz (auto sensing)			
Input connection	NEMA L6-30R	HW terminal (L1+L2+G)		
Input power factor	>0.99 (full load)			

BATTERY

Battery type	VRLA			
Typical recharge time	4-6 hours			
Battery voltage	240 VDC			
Battery quantity x capacity	20 x 12 V / 9 Ah			
Charging current (max.)	10 A			
Backup time	Full load	18 min.	15 min.	9 min.
	Half load	36 min.	30 min.	18 min.
Expected Battery Life (years)	3-5 years			
EBP Replacement Cartridge	UVD240			
Additional External Battery Pack (EBP)	UVP240			
Maximum External Battery Pack (EBP) quantity	5 units			

COMMUNICATION & MANAGEMENT

Communication ports	USB, RS232, intelligent slot			
Pre-Installed iNMC Card	N model only			
Local Display/Control Panel	3.5" colorful touch screen			
Audible Alarm	Yes			
Emergency Power Off (EPO)	Yes			

ENVIRONMENTAL

Operating temperature	32°F - 104°F (0°C - 40°C) (no derating)			
Storage temperature	-25°C - 55°C (without batteries)			
Relative humidity	0% - 95% (non-condensing)			
Operating elevation	Up to 3000m (derated 10%)			
Online thermal dissipation	1067 BTU/hour	1423 BTU/hour	1985 BTU/hour	
Protection class	IP20			
Noise level	<55dB at 1m		<58dB at 1m	

CONFORMANCE

Energy saving	ENERGY STAR 2.0			
Safety	cULus: UL 1778 5th Edition, CSA C22.2 NO. 107.3-14, NOM, RETIE			
FCC	FCC Part 15 Subpart B Class A, ANSI C63.4-2014			
Transportation	ISTA Procedure 2B			
Surge protection	IEEE/ANSI C62, 41 Category A, Level 3; 600 Joules			

CUSTOMER SERVICE

Warranty	3 years for UPS & EBP, 2 years for battery			
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SUSTAINABLE OFFER STATUS

Proposition 65 Warning	See Safety Sheet (IM053)			
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UPS 5-10kVA VRLA

5-10kVA 208 V VRLA (continued)

PHYSICAL

Maximum height	131mm UPS + 131mm Battery	
Maximum width	440mm UPS + 440mm Battery	
Maximum depth	666mm UPS + 666mm Battery	
Rack height	6 RU	
Net weight	85 kg	87 kg
Shipping weight	101 kg	103 kg
Shipping height	280mm UPS + 280mm Battery + 144mm Pallet	
Shipping width	595mm Pallet	
Shipping depth	865mm Pallet	
Color	Black	

EBP specifications

MODEL	UVP240
MATCHED UPS	U05S11V / U06S11V / U10S11V / U06S12V / U10S12V U05N11V / U06N11V / U10N11V / U06N12V / U10N12V

BATTERY SYSTEM

Battery type	VRLA (lead acid maintenance free battery)
Typical battery life	3 - 5 years, depend on discharging cycle and ambient temperature
System voltage	±240 VDC
Battery quantity	20 pcs.
Battery capacity	12 V/9 Ah
Replacement cartridge set	UVD240

PHYSICAL

Dimension W × D × H	440 × 666.5 × 131mm
Net weight	67.5 kg
Maximum height	13mm
Maximum width	440mm
Maximum depth	666mm
Rack height	3 RU
Net weight	67.5 g
Shipping weight	75 kg
Shipping height	280mm Battery + 144mm Pallet
Shipping width	595mm Pallet
Shipping depth	865mm Pallet

ENVIRONMENTAL

Operating temperature	0°C - 40°C
Relative humidity	0% - 95% (non-condensing)

CONFORMANCE

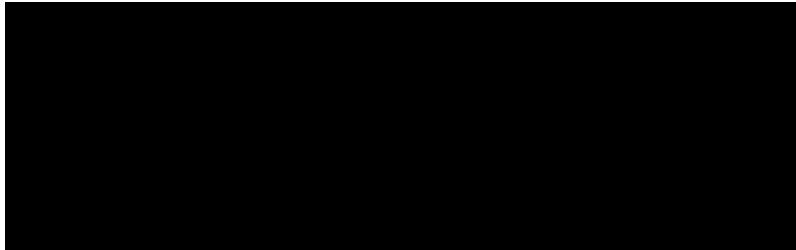
Safety	cULus: UL 1778 5th Edition, CSA C22.2 NO.107.3-14, NOM, CE, UKCA, RCM, RETIE
Transportation	ISTA Procedure 2B

UPS 5-10kVA VRLA

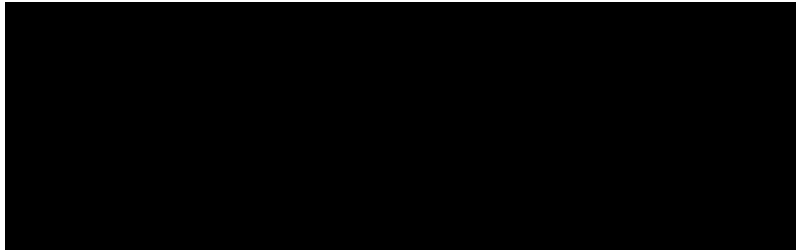
UPS accessories

URC005	Relay card (MiniAS400) (12 V) (for 1 to 10kVA single phase UPS units)
UNCP01	Intelligent Network Management Card (iNMC) See iNMC specs for more details
UTOWFT	Tower stabilizer brackets
URMKIT2	Rack mount rail kit for 5-10kVA UPS and EBP
UTFMRDU	Step-Down Transformer Distribution Unit is a voltage converter that provides 120 VAC output power from 208 VAC input.
EXTWLAUPS2	5-10kVA LEAD ACID UPS 1 YR Extended Warranty, for up to 3 years. The extended warranty includes repair or replacement of UPS and covers your battery
EXTWLABP2	5-10kVA LEAD ACID Battery Pack 1 YR Extended Warranty, for up to 3 years. The extended warranty includes repair or replacement and covers your battery

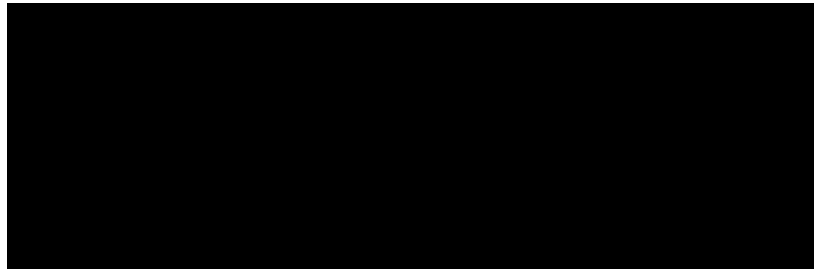
U06N12V/U10N12V (Rear)



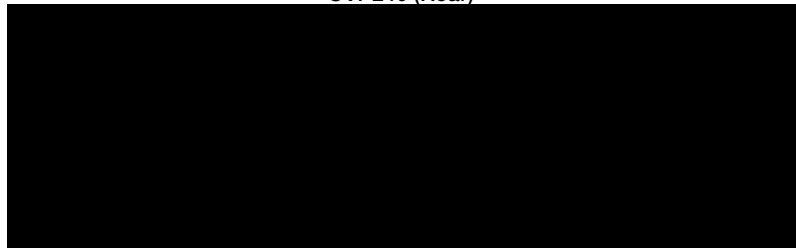
U05N11V (Rear)



U06N11V/U10N11V (Rear)



UVP240 (Rear)



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