

IP Серия

ОН-ЛАЙН ИБП
10-120kVA
три / три фазы

3-фазный ИБП. Высокая надежность
и стабильность. Решение
предназначено для самых суровых
промышленных процессов



- DSP управляемый IGBT выпрямитель
- DSP управляемый IGBT инвертер
- IP31, IP41, IP51 Степень защиты для жестких условий эксплуатации
- Сменные фильтры защиты от пыли
- Фронтальный Доступ для кабелей входа / выхода
- Широкий диапазон входного напряжения: 220/380VAC -37% +22%
- Замена запасных частей и профилактическое обслуживание
- Резервная линия аккумуляторов
- Широкий спектр коммуникационных приложений: Карта Сухих
- Контактных, MODBUS, PROFIBUS и тд.
- Совместимость с открытыми вентилируемыми свинцово-кислотными,
- Закрытыми свинцово-кислотными (VRLA),
- И Никель-кадмиевыми батареями
- Двойной вход

10kVA • 15kVA • 20kVA • 30kVA • 40kVA • 60kVA • 80kVA • 100kVA • 120kVA

MAKELSON®
Uninterruptible Power Supplies

МОДЕЛЬ									
Выходная Мощность (кВа)	10кВа	15кВа	20кВа	30кВа	40кВа	60кВа	80кВа	100кВа	120кВа
Номинальная Активная мощность	8кВт	12кВт	16кВт	24кВт	32кВт	48кВт	64кВт	80кВт	96кВт
Коэффициент мощности	0.8								
ВХОД									
Диапазон входных напряжений	220/380VAC - 15% + 18% 3P + N + PE. (Опционально 220/380VAC -37% +22% 3P+N+PE)								
Коэффициент входящей мощности	>0.99								
Номинальная частота (Гц)	50Гц ± 10% / 60Гц ± 10% (может регулироваться)								
Выпрямитель. Технология IGBT	PWM IGBT Technology PFC Выпрямитель								
Суммарное значение коэффициента нелинейных искажений тока на входе (THDi)	<3%								
ВЫХОД									
Диапазон выходных напряжений	220/380 VAC (230/400 VAC) 3P + N ± 1%								
Время восстановления	± 1 статично, +3 динамично при нагрузке 100%, 5 msn								
Эффективность	нормальный режим до 93%, эко режим до 98%								
Диапазон выходной частоты	50Гц / 60Гц ± 0,01% (режим батареи)								
Суммарное значение коэффициента елинейных искажений тока на выходе (THDv)	Линейная нагрузка <2% / нелинейная нагрузка < 3%								
Коэффициент формы (CF)	3:1								
Перегрузка	При 125% - 10 минут, при 150% - 1 минута.								
Защита от короткого замыкания	Электронная защита от короткого замыкания контролируемая IGBT								
АККУМУЛЯТОРЫ									
Тип	VRLA/AGM/GEL Уплотненный свинцово-кислотный аккумулятор не требующий тех. поддержки								
Количество аккумуляторов (12V)	62								
Тест аккумулятора	Программируемый без загрузки, автоматический тест батареи								
Температура аккумулятора	20°C - 25°C (для максимальной эффективности)								
БАЙПАС									
Диапазон входных напряжений в режиме байпас	230/400 VAC (220/380 VAC) 3P + N ± 10% (выборочно)								
СВЯЗЬ									
Интерфейс	RS232/RS485 Rj11/SNMP								
Сухие контакты	7 сигналов сухих контактов (напряжение, перезагрузка, температура, давление, попадание воды и тд.) (Опционально)								
Програмное обеспечение	MAKnet software, Megatec, SEC и тд. Совместимость со всеми протоколами.								
Центральный сервис и мониторинг	Доступно								
SNMP адаптер	Опционально								
Дополнительные коммуникационные возможности	MOD-Bus/J-Bus/Profibus/Modbus/Modbus-TCP/Modbus-RTU/Modbus-RTU-Over-Ethernet/Modbus-RTU-Over-Serial/Modbus-RTU-Over-USB/Modbus-RTU-Over-Bluetooth/Modbus-RTU-Over-GPRS/Modbus-RTU-Over-3G/Modbus-RTU-Over-4G/Modbus-RTU-Over-5G/Modbus-RTU-Over-6G/Modbus-RTU-Over-7G/Modbus-RTU-Over-8G/Modbus-RTU-Over-9G/Modbus-RTU-Over-10G/Modbus-RTU-Over-11G/Modbus-RTU-Over-12G/Modbus-RTU-Over-13G/Modbus-RTU-Over-14G/Modbus-RTU-Over-15G/Modbus-RTU-Over-16G/Modbus-RTU-Over-17G/Modbus-RTU-Over-18G/Modbus-RTU-Over-19G/Modbus-RTU-Over-20G/Modbus-RTU-Over-21G/Modbus-RTU-Over-22G/Modbus-RTU-Over-23G/Modbus-RTU-Over-24G/Modbus-RTU-Over-25G/Modbus-RTU-Over-26G/Modbus-RTU-Over-27G/Modbus-RTU-Over-28G/Modbus-RTU-Over-29G/Modbus-RTU-Over-30G/Modbus-RTU-Over-31G/Modbus-RTU-Over-32G/Modbus-RTU-Over-33G/Modbus-RTU-Over-34G/Modbus-RTU-Over-35G/Modbus-RTU-Over-36G/Modbus-RTU-Over-37G/Modbus-RTU-Over-38G/Modbus-RTU-Over-39G/Modbus-RTU-Over-40G/Modbus-RTU-Over-41G/Modbus-RTU-Over-42G/Modbus-RTU-Over-43G/Modbus-RTU-Over-44G/Modbus-RTU-Over-45G/Modbus-RTU-Over-46G/Modbus-RTU-Over-47G/Modbus-RTU-Over-48G/Modbus-RTU-Over-49G/Modbus-RTU-Over-50G/Modbus-RTU-Over-51G/Modbus-RTU-Over-52G/Modbus-RTU-Over-53G/Modbus-RTU-Over-54G/Modbus-RTU-Over-55G/Modbus-RTU-Over-56G/Modbus-RTU-Over-57G/Modbus-RTU-Over-58G/Modbus-RTU-Over-59G/Modbus-RTU-Over-60G/Modbus-RTU-Over-61G/Modbus-RTU-Over-62G/Modbus-RTU-Over-63G/Modbus-RTU-Over-64G/Modbus-RTU-Over-65G/Modbus-RTU-Over-66G/Modbus-RTU-Over-67G/Modbus-RTU-Over-68G/Modbus-RTU-Over-69G/Modbus-RTU-Over-70G/Modbus-RTU-Over-71G/Modbus-RTU-Over-72G/Modbus-RTU-Over-73G/Modbus-RTU-Over-74G/Modbus-RTU-Over-75G/Modbus-RTU-Over-76G/Modbus-RTU-Over-77G/Modbus-RTU-Over-78G/Modbus-RTU-Over-79G/Modbus-RTU-Over-80G/Modbus-RTU-Over-81G/Modbus-RTU-Over-82G/Modbus-RTU-Over-83G/Modbus-RTU-Over-84G/Modbus-RTU-Over-85G/Modbus-RTU-Over-86G/Modbus-RTU-Over-87G/Modbus-RTU-Over-88G/Modbus-RTU-Over-89G/Modbus-RTU-Over-90G/Modbus-RTU-Over-91G/Modbus-RTU-Over-92G/Modbus-RTU-Over-93G/Modbus-RTU-Over-94G/Modbus-RTU-Over-95G/Modbus-RTU-Over-96G/Modbus-RTU-Over-97G/Modbus-RTU-Over-98G/Modbus-RTU-Over-99G/Modbus-RTU-Over-100G/Modbus-RTU-Over-101G/Modbus-RTU-Over-102G/Modbus-RTU-Over-103G/Modbus-RTU-Over-104G/Modbus-RTU-Over-105G/Modbus-RTU-Over-106G/Modbus-RTU-Over-107G/Modbus-RTU-Over-108G/Modbus-RTU-Over-109G/Modbus-RTU-Over-110G/Modbus-RTU-Over-111G/Modbus-RTU-Over-112G/Modbus-RTU-Over-113G/Modbus-RTU-Over-114G/Modbus-RTU-Over-115G/Modbus-RTU-Over-116G/Modbus-RTU-Over-117G/Modbus-RTU-Over-118G/Modbus-RTU-Over-119G/Modbus-RTU-Over-120G/Modbus-RTU-Over-121G/Modbus-RTU-Over-122G/Modbus-RTU-Over-123G/Modbus-RTU-Over-124G/Modbus-RTU-Over-125G/Modbus-RTU-Over-126G/Modbus-RTU-Over-127G/Modbus-RTU-Over-128G/Modbus-RTU-Over-129G/Modbus-RTU-Over-130G/Modbus-RTU-Over-131G/Modbus-RTU-Over-132G/Modbus-RTU-Over-133G/Modbus-RTU-Over-134G/Modbus-RTU-Over-135G/Modbus-RTU-Over-136G/Modbus-RTU-Over-137G/Modbus-RTU-Over-138G/Modbus-RTU-Over-139G/Modbus-RTU-Over-140G/Modbus-RTU-Over-141G/Modbus-RTU-Over-142G/Modbus-RTU-Over-143G/Modbus-RTU-Over-144G/Modbus-RTU-Over-145G/Modbus-RTU-Over-146G/Modbus-RTU-Over-147G/Modbus-RTU-Over-148G/Modbus-RTU-Over-149G/Modbus-RTU-Over-150G/Modbus-RTU-Over-151G/Modbus-RTU-Over-152G/Modbus-RTU-Over-153G/Modbus-RTU-Over-154G/Modbus-RTU-Over-155G/Modbus-RTU-Over-156G/Modbus-RTU-Over-157G/Modbus-RTU-Over-158G/Modbus-RTU-Over-159G/Modbus-RTU-Over-160G/Modbus-RTU-Over-161G/Modbus-RTU-Over-162G/Modbus-RTU-Over-163G/Modbus-RTU-Over-164G/Modbus-RTU-Over-165G/Modbus-RTU-Over-166G/Modbus-RTU-Over-167G/Modbus-RTU-Over-168G/Modbus-RTU-Over-169G/Modbus-RTU-Over-170G/Modbus-RTU-Over-171G/Modbus-RTU-Over-172G/Modbus-RTU-Over-173G/Modbus-RTU-Over-174G/Modbus-RTU-Over-175G/Modbus-RTU-Over-176G/Modbus-RTU-Over-177G/Modbus-RTU-Over-178G/Modbus-RTU-Over-179G/Modbus-RTU-Over-180G/Modbus-RTU-Over-181G/Modbus-RTU-Over-182G/Modbus-RTU-Over-183G/Modbus-RTU-Over-184G/Modbus-RTU-Over-185G/Modbus-RTU-Over-186G/Modbus-RTU-Over-187G/Modbus-RTU-Over-188G/Modbus-RTU-Over-189G/Modbus-RTU-Over-190G/Modbus-RTU-Over-191G/Modbus-RTU-Over-192G/Modbus-RTU-Over-193G/Modbus-RTU-Over-194G/Modbus-RTU-Over-195G/Modbus-RTU-Over-196G/Modbus-RTU-Over-197G/Modbus-RTU-Over-198G/Modbus-RTU-Over-199G/Modbus-RTU-Over-200G/Modbus-RTU-Over-201G/Modbus-RTU-Over-202G/Modbus-RTU-Over-203G/Modbus-RTU-Over-204G/Modbus-RTU-Over-205G/Modbus-RTU-Over-206G/Modbus-RTU-Over-207G/Modbus-RTU-Over-208G/Modbus-RTU-Over-209G/Modbus-RTU-Over-210G/Modbus-RTU-Over-211G/Modbus-RTU-Over-212G/Modbus-RTU-Over-213G/Modbus-RTU-Over-214G/Modbus-RTU-Over-215G/Modbus-RTU-Over-216G/Modbus-RTU-Over-217G/Modbus-RTU-Over-218G/Modbus-RTU-Over-219G/Modbus-RTU-Over-220G/Modbus-RTU-Over-221G/Modbus-RTU-Over-222G/Modbus-RTU-Over-223G/Modbus-RTU-Over-224G/Modbus-RTU-Over-225G/Modbus-RTU-Over-226G/Modbus-RTU-Over-227G/Modbus-RTU-Over-228G/Modbus-RTU-Over-229G/Modbus-RTU-Over-230G/Modbus-RTU-Over-231G/Modbus-RTU-Over-232G/Modbus-RTU-Over-233G/Modbus-RTU-Over-234G/Modbus-RTU-Over-235G/Modbus-RTU-Over-236G/Modbus-RTU-Over-237G/Modbus-RTU-Over-238G/Modbus-RTU-Over-239G/Modbus-RTU-Over-240G/Modbus-RTU-Over-241G/Modbus-RTU-Over-242G/Modbus-RTU-Over-243G/Modbus-RTU-Over-244G/Modbus-RTU-Over-245G/Modbus-RTU-Over-246G/Modbus-RTU-Over-247G/Modbus-RTU-Over-248G/Modbus-RTU-Over-249G/Modbus-RTU-Over-250G/Modbus-RTU-Over-251G/Modbus-RTU-Over-252G/Modbus-RTU-Over-253G/Modbus-RTU-Over-254G/Modbus-RTU-Over-255G/Modbus-RTU-Over-256G/Modbus-RTU-Over-257G/Modbus-RTU-Over-258G/Modbus-RTU-Over-259G/Modbus-RTU-Over-260G/Modbus-RTU-Over-261G/Modbus-RTU-Over-262G/Modbus-RTU-Over-263G/Modbus-RTU-Over-264G/Modbus-RTU-Over-265G/Modbus-RTU-Over-266G/Modbus-RTU-Over-267G/Modbus-RTU-Over-268G/Modbus-RTU-Over-269G/Modbus-RTU-Over-270G/Modbus-RTU-Over-271G/Modbus-RTU-Over-272G/Modbus-RTU-Over-273G/Modbus-RTU-Over-274G/Modbus-RTU-Over-275G/Modbus-RTU-Over-276G/Modbus-RTU-Over-277G/Modbus-RTU-Over-278G/Modbus-RTU-Over-279G/Modbus-RTU-Over-280G/Modbus-RTU-Over-281G/Modbus-RTU-Over-282G/Modbus-RTU-Over-283G/Modbus-RTU-Over-284G/Modbus-RTU-Over-285G/Modbus-RTU-Over-286G/Modbus-RTU-Over-287G/Modbus-RTU-Over-288G/Modbus-RTU-Over-289G/Modbus-RTU-Over-290G/Modbus-RTU-Over-291G/Modbus-RTU-Over-292G/Modbus-RTU-Over-293G/Modbus-RTU-Over-294G/Modbus-RTU-Over-295G/Modbus-RTU-Over-296G/Modbus-RTU-Over-297G/Modbus-RTU-Over-298G/Modbus-RTU-Over-299G/Modbus-RTU-Over-300G/Modbus-RTU-Over-301G/Modbus-RTU-Over-302G/Modbus-RTU-Over-303G/Modbus-RTU-Over-304G/Modbus-RTU-Over-305G/Modbus-RTU-Over-306G/Modbus-RTU-Over-307G/Modbus-RTU-Over-308G/Modbus-RTU-Over-309G/Modbus-RTU-Over-310G/Modbus-RTU-Over-311G/Modbus-RTU-Over-312G/Modbus-RTU-Over-313G/Modbus-RTU-Over-314G/Modbus-RTU-Over-315G/Modbus-RTU-Over-316G/Modbus-RTU-Over-317G/Modbus-RTU-Over-318G/Modbus-RTU-Over-319G/Modbus-RTU-Over-320G/Modbus-RTU-Over-321G/Modbus-RTU-Over-322G/Modbus-RTU-Over-323G/Modbus-RTU-Over-324G/Modbus-RTU-Over-325G/Modbus-RTU-Over-326G/Modbus-RTU-Over-327G/Modbus-RTU-Over-328G/Modbus-RTU-Over-329G/Modbus-RTU-Over-330G/Modbus-RTU-Over-331G/Modbus-RTU-Over-332G/Modbus-RTU-Over-333G/Modbus-RTU-Over-334G/Modbus-RTU-Over-335G/Modbus-RTU-Over-336G/Modbus-RTU-Over-337G/Modbus-RTU-Over-338G/Modbus-RTU-Over-339G/Modbus-RTU-Over-340G/Modbus-RTU-Over-341G/Modbus-RTU-Over-342G/Modbus-RTU-Over-343G/Modbus-RTU-Over-344G/Modbus-RTU-Over-345G/Modbus-RTU-Over-346G/Modbus-RTU-Over-347G/Modbus-RTU-Over-348G/Modbus-RTU-Over-349G/Modbus-RTU-Over-350G/Modbus-RTU-Over-351G/Modbus-RTU-Over-352G/Modbus-RTU-Over-353G/Modbus-RTU-Over-354G/Modbus-RTU-Over-355G/Modbus-RTU-Over-356G/Modbus-RTU-Over-357G/Modbus-RTU-Over-358G/Modbus-RTU-Over-359G/Modbus-RTU-Over-360G/Modbus-RTU-Over-361G/Modbus-RTU-Over-362G/Modbus-RTU-Over-363G/Modbus-RTU-Over-364G/Modbus-RTU-Over-365G/Modbus-RTU-Over-366G/Modbus-RTU-Over-367G/Modbus-RTU-Over-368G/Modbus-RTU-Over-369G/Modbus-RTU-Over-370G/Modbus-RTU-Over-371G/Modbus-RTU-Over-372G/Modbus-RTU-Over-373G/Modbus-RTU-Over-374G/Modbus-RTU-Over-375G/Modbus-RTU-Over-376G/Modbus-RTU-Over-377G/Modbus-RTU-Over-378G/Modbus-RTU-Over-379G/Modbus-RTU-Over-380G/Modbus-RTU-Over-381G/Modbus-RTU-Over-382G/Modbus-RTU-Over-383G/Modbus-RTU-Over-384G/Modbus-RTU-Over-385G/Modbus-RTU-Over-386G/Modbus-RTU-Over-387G/Modbus-RTU-Over-388G/Modbus-RTU-Over-389G/Modbus-RTU-Over-390G/Modbus-RTU-Over-391G/Modbus-RTU-Over-392G/Modbus-RTU-Over-393G/Modbus-RTU-Over-394G/Modbus-RTU-Over-395G/Modbus-RTU-Over-396G/Modbus-RTU-Over-397G/Modbus-RTU-Over-398G/Modbus-RTU-Over-399G/Modbus-RTU-Over-400G/Modbus-RTU-Over-401G/Modbus-RTU-Over-402G/Modbus-RTU-Over-403G/Modbus-RTU-Over-404G/Modbus-RTU-Over-405G/Modbus-RTU-Over-406G/Modbus-RTU-Over-407G/Modbus-RTU-Over-408G/Modbus-RTU-Over-409G/Modbus-RTU-Over-410G/Modbus-RTU-Over-411G/Modbus-RTU-Over-412G/Modbus-RTU-Over-413G/Modbus-RTU-Over-414G/Modbus-RTU-Over-415G/Modbus-RTU-Over-416G/Modbus-RTU-Over-417G/Modbus-RTU-Over-418G/Modbus-RTU-Over-419G/Modbus-RTU-Over-420G/Modbus-RTU-Over-421G/Modbus-RTU-Over-422G/Modbus-RTU-Over-423G/Modbus-RTU-Over-424G/Modbus-RTU-Over-425G/Modbus-RTU-Over-426G/Modbus-RTU-Over-427G/Modbus-RTU-Over-428G/Modbus-RTU-Over-429G/Modbus-RTU-Over-430G/Modbus-RTU-Over-431G/Modbus-RTU-Over-432G/Modbus-RTU-Over-433G/Modbus-RTU-Over-434G/Modbus-RTU-Over-435G/Modbus-RTU-Over-436G/Modbus-RTU-Over-437G/Modbus-RTU-Over-438G/Modbus-RTU-Over-439G/Modbus-RTU-Over-440G/Modbus-RTU-Over-441G/Modbus-RTU-Over-442G/Modbus-RTU-Over-443G/Modbus-RTU-Over-444G/Modbus-RTU-Over-445G/Modbus-RTU-Over-446G/Modbus-RTU-Over-447G/Modbus-RTU-Over-448G/Modbus-RTU-Over-449G/Modbus-RTU-Over-450G/Modbus-RTU-Over-451G/Modbus-RTU-Over-452G/Modbus-RTU-Over-453G/Modbus-RTU-Over-454G/Modbus-RTU-Over-455G/Modbus-RTU-Over-456G/Modbus-RTU-Over-457G/Modbus-RTU-Over-458G/Modbus-RTU-Over-459G/Modbus-RTU-Over-460G/Modbus-RTU-Over-461G/Modbus-RTU-Over-462G/Modbus-RTU-Over-463G/Modbus-RTU-Over-464G/Modbus-RTU-Over-465G/Modbus-RTU-Over-466G/Modbus-RTU-Over-467G/Modbus-RTU-Over-468G/Modbus-RTU-Over-469G/Modbus-RTU-Over-470G/Modbus-RTU-Over-471G/Modbus-RTU-Over-472G/Modbus-RTU-Over-473G/Modbus-RTU-Over-474G/Modbus-RTU-Over-475G/Modbus-RTU-Over-476G/Modbus-RTU-Over-477G/Modbus-RTU-Over-478G/Modbus-RTU-Over-479G/Modbus-RTU-Over-480G/Modbus-RTU-Over-481G/Modbus-RTU-Over-482G/Modbus-RTU-Over-483G/Modbus-RTU-Over-484G/Modbus-RTU-Over-485G/Modbus-RTU-Over-486G/Modbus-RTU-Over-487G/Modbus-RTU-Over-488G/Modbus-RTU-Over-489G/Modbus-RTU-Over-490G/Modbus-RTU-Over-491G/Modbus-RTU-Over-492G/Modbus-RTU-Over-493G/Modbus-RTU-Over-494G/Modbus-RTU-Over-495G/Modbus-RTU-Over-496G/Modbus-RTU-Over-497G/Modbus-RTU-Over-498G/Modbus-RTU-Over-499G/Modbus-RTU-Over-500G/Modbus-RTU-Over-501G/Modbus-RTU-Over-502G/Modbus-RTU-Over-503G/Modbus-RTU-Over-504G/Modbus-RTU-Over-505G/Modbus-RTU-Over-506G/Modbus-RTU-Over-507G/Modbus-RTU-Over-508G/Modbus-RTU-Over-509G/Modbus-RTU-Over-510G/Modbus-RTU-Over-511G/Modbus-RTU-Over-512G/Modbus-RTU-Over-513G/Modbus-RTU-Over-514G/Modbus-RTU-Over-515G/Modbus-RTU-Over-516G/Modbus-RTU-Over-517G/Modbus-RTU-Over-518G/Modbus-RTU-Over-519G/Modbus-RTU-Over-520G/Modbus-RTU-Over-521G/Modbus-RTU-Over-522G/Modbus-RTU-Over-523G/Modbus-RTU-Over-524G/Modbus-RTU-Over-525G/Modbus-RTU-Over-526G/Modbus-RTU-Over-527G/Modbus-RTU-Over-528G/Modbus-RTU-Over-529G/Modbus-RTU-Over-530G/Modbus-RTU-Over-531G/Modbus-RTU-Over-532G/Modbus-RTU-Over-533G/Modbus-RTU-Over-534G/Modbus-RTU-Over-535G/Modbus-RTU-Over-536G/Modbus-RTU-Over-537G/Modbus-RTU-Over-538G/Modbus-RTU-Over-539G/Modbus-RTU-Over-540G/Modbus-RTU-Over-541G/Modbus-RTU-Over-542G/Modbus-RTU-Over-543G/Modbus-RTU-Over-544G/Modbus-RTU-Over-545G/Modbus-RTU-Over-546G/Modbus-RTU-Over-547G/Modbus-RTU-Over-548G/Modbus-RTU-Over-549G/Modbus-RTU-Over-550G/Modbus-RTU-Over-551G/Modbus-RTU-Over-552G/Modbus-RTU-Over-553G/Modbus-RTU-Over-554G/Modbus-RTU-Over-555G/Modbus-RTU-Over-556G/Modbus-RTU-Over-557G/Modbus-RTU-Over-558G/Modbus-RTU-Over-559G/Modbus-RTU-Over-560G/Modbus-RTU-Over-561G/Modbus-RTU-Over-562G/Modbus-RTU-Over-563G/Modbus-RTU-Over-564G/Modbus-RTU-Over-565G/Modbus-RTU-Over-566G/Modbus-RTU-Over-567G/Modbus-RTU-Over-568G/Modbus-RTU-Over-569G/Modbus-RTU-Over-570G/Modbus-RTU-Over-571G/Modbus-RTU-Over-572G/Modbus-RTU-Over-573G/Modbus-RTU-Over-574G/Modbus-RTU-Over-575G/Modbus-RTU-Over-576G/Modbus-RTU-Over-577G/Modbus-RTU-Over-578G/Modbus-RTU-Over-579G/Modbus-RTU-Over-580G/Modbus-RTU-Over-581G/Modbus-RTU-Over-582G/Modbus-RTU-Over-583G/Modbus-RTU-Over-584G/Modbus-RTU-Over-585G/Modbus-RTU-Over-586G/Modbus-RTU-Over-587G/Modbus-RTU-Over-588G/Modbus-RTU-Over-589G/Modbus-RTU-Over-590G/Modbus-RTU-Over-591G/Modbus-RTU-Over-592G/Modbus-RTU-Over-593G/Modbus-RTU-Over-594G/Modbus-RTU-Over-595G/Modbus-RTU-Over-596G/Modbus-RTU-Over-597G/Modbus-RTU-Over-598G/Modbus-RTU-Over-599G/Modbus-RTU-Over-600G/Modbus-RTU-Over-601G/Modbus-RTU-Over-602G/Modbus-RTU-Over-603G/Modbus-RTU-Over-604G/Modbus-RTU-Over-605G/Modbus-RTU-Over-606G/Modbus-RTU-Over-607G/Modbus-RTU-Over-608G/Modbus-RTU-Over-609G/Modbus-RTU-Over-610G/Modbus-RTU-Over-611G/Modbus-RTU-Over-612G/Modbus-RTU-Over-613G/Modbus-RTU-Over-614G/Modbus-RTU-Over-615G/Modbus-RTU-Over-616G/Modbus-RTU-Over-617G/Modbus-RTU-Over-618G/Modbus-RTU-Over-619G/Modbus-RTU-Over-620G/Modbus-RTU-Over-621G/Modbus-RTU-Over-622G/Modbus-RTU-Over-623G/Modbus-RTU-Over-624G/Modbus-RTU-Over-625G/Modbus-RTU-Over-626G/Modbus-RTU-Over-627G/Modbus-RTU-Over-628G/Modbus-RTU-Over-629G/Modbus-RTU-Over-630G/Modbus-RTU-Over-631G/Modbus-RTU-Over-632G/Modbus-RTU-Over-633G/Modbus-RTU-Over-634G/Modbus-RTU-Over-635G/Modbus-RTU-Over-636G/Modbus-RTU-Over-637G/Modbus-RTU-Over-638G/Modbus-RTU-Over-639G/Modbus-RTU-Over-640G/Modbus-RTU-Over-641G/Modbus-RTU-Over-642G/Modbus-RTU-Over-643G/Modbus-RTU-Over-644G/Modbus-RTU-Over-645G/Modbus-RTU-Over-646G/Modbus-RTU-Over-647G/Modbus-RTU-Over-648G/Modbus-RTU-Over-649G/Modbus-RTU-Over-650G/Modbus-RTU-Over-651G/Modbus-RTU-Over-652G/Modbus-RTU-Over-653G/Modbus-RTU-Over-654G/Modbus-RTU-Over-655G/Modbus-RTU-Over-656G/Modbus-RTU-Over-657G								