--PPC-MIB { iso(1) org(3) dod(6) internet(1) private(4)

-- enterprises(1) ppc(935) }

-- Title: PPC TOP LEVEL MIB

-- Date: January 07, 1994 Version 1.00

--

-- Date: January 17, 1994 Version 1.01

--

-- Date: July 14, 1994 Version 1.02

--

-- Date: May 16, 2003 Version 2.00

XPPC-MIB DEFINITIONS ::= BEGIN

IMPORTS

 TRAP-TYPE

 FROM RFC-1215

 DisplayString

 FROM RFC1213-MIB

 OBJECT-TYPE

 FROM RFC-1212

 enterprises,

 IpAddress

 FROM RFC1155-SMI;

ppc OBJECT IDENTIFIER

 ::= { enterprises 935 }

products OBJECT IDENTIFIER

 ::= { ppc 1 }

ppcmgmt OBJECT IDENTIFIER

 ::= { ppc 2 }

hardware OBJECT IDENTIFIER

 ::= { products 1 }

mconfig OBJECT IDENTIFIER

 ::= { ppcmgmt 1 }

ups OBJECT IDENTIFIER

 ::= { hardware 1 }

upsIdentp OBJECT IDENTIFIER

 ::= { ups 1 }

upsBatteryp OBJECT IDENTIFIER

 ::= { ups 2 }

upsInputp OBJECT IDENTIFIER

 ::= { ups 3 }

upsOutputp OBJECT IDENTIFIER

 ::= { ups 4 }

upsConfigp OBJECT IDENTIFIER

 ::= { ups 5 }

upsControlp OBJECT IDENTIFIER

 ::= { ups 6 }

upsTestp OBJECT IDENTIFIER

 ::= { ups 7 }

upsThreePhase OBJECT IDENTIFIER

 ::= { ups 8 }

upsEnvironment OBJECT IDENTIFIER

 ::= { ups 9 }

upsBaseIdent OBJECT IDENTIFIER

 ::= { upsIdentp 1 }

upsSmartIdent OBJECT IDENTIFIER

 ::= { upsIdentp 2 }

upsBaseBattery OBJECT IDENTIFIER

 ::= { upsBatteryp 1 }

upsSmartBattery OBJECT IDENTIFIER

 ::= { upsBatteryp 2 }

upsBaseInput OBJECT IDENTIFIER

 ::= { upsInputp 1 }

upsSmartInput OBJECT IDENTIFIER

 ::= { upsInputp 2 }

upsBaseOutput OBJECT IDENTIFIER

 ::= { upsOutputp 1 }

upsSmartOutput OBJECT IDENTIFIER

 ::= { upsOutputp 2 }

upsBaseConfig OBJECT IDENTIFIER

 ::= { upsConfigp 1 }

upsSmartConfig OBJECT IDENTIFIER

 ::= { upsConfigp 2 }

upsBaseControl OBJECT IDENTIFIER

 ::= { upsControlp 1 }

upsSmartControl OBJECT IDENTIFIER

 ::= { upsControlp 2 }

upsBaseTest OBJECT IDENTIFIER

 ::= { upsTestp 1 }

upsSmartTest OBJECT IDENTIFIER

 ::= { upsTestp 2 }

upsThreePhaseBatteryGrp OBJECT IDENTIFIER

 ::= { upsThreePhase 1 }

upsThreePhaseInputGrp OBJECT IDENTIFIER

 ::= { upsThreePhase 2 }

upsThreePhaseOutputGrp OBJECT IDENTIFIER

 ::= { upsThreePhase 3 }

upsThreePhaseBypassGrp OBJECT IDENTIFIER

 ::= { upsThreePhase 4 }

upsThreePhaseDCandRectifierStatusGrp OBJECT IDENTIFIER

 ::= { upsThreePhase 5 }

upsThreePhaseUPSStatusGrp OBJECT IDENTIFIER

 ::= { upsThreePhase 6 }

upsThreePhaseFaultStatusGrp OBJECT IDENTIFIER

 ::= { upsThreePhase 7 }

upsThreePhaseRatingGrp OBJECT IDENTIFIER

 ::= { upsThreePhase 8 }

-- object types

-- the ppcmgmt group

-- the mconfig group

mconfigTrapsReceiversNum OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "The number of managers to send traps to."

 ::= { mconfig 1 }

mconfigTrapsReceiversTable OBJECT-TYPE

 SYNTAX SEQUENCE OF MconfigTrapsReceiversEntry

 ACCESS not-accessible

 STATUS mandatory

 DESCRIPTION

 "A list of managers to send traps to. The number of

 entries is given by the value of mconfigNumTrapReceivers"

 ::= { mconfig 2 }

mconfigTrapsReceiversEntry OBJECT-TYPE

 SYNTAX MconfigTrapsReceiversEntry

 ACCESS not-accessible

 STATUS mandatory

 DESCRIPTION

 "The managers to send traps to."

 INDEX {

 trapsIndex }

 ::= { mconfigTrapsReceiversTable 1 }

MconfigTrapsReceiversEntry ::= SEQUENCE {

 trapsIndex INTEGER,

 trapsReceiverAddr IpAddress,

 receiverCommunityString DisplayString,

 severityLevel INTEGER,

 receiverAccept INTEGER }

trapsIndex OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "The index to a trap receiver entry."

 ::= { mconfigTrapsReceiversEntry 1 }

trapsReceiverAddr OBJECT-TYPE

 SYNTAX IpAddress

 ACCESS read-write

 STATUS mandatory

 DESCRIPTION

 "The IP address of the manager to send a trap to."

 ::= { mconfigTrapsReceiversEntry 2 }

receiverCommunityString OBJECT-TYPE

 SYNTAX DisplayString

 ACCESS read-write

 STATUS mandatory

 DESCRIPTION

 "The community name to use in the trap when

 sent to the manager."

 ::= { mconfigTrapsReceiversEntry 3 }

severityLevel OBJECT-TYPE

 SYNTAX INTEGER {

 information(1),

 warning(2),

 severe(3) }

 ACCESS read-write

 STATUS mandatory

 DESCRIPTION

 "The severity threshold of traps to send to the manager.

 traps are labeled in severity as informational(1), warning(2),

 severe(3). Only traps of equal or greater severity than

 this value are sent to the manager."

 ::= { mconfigTrapsReceiversEntry 4 }

receiverAccept OBJECT-TYPE

 SYNTAX INTEGER {

 yes(1),

 no(2) }

 ACCESS read-write

 STATUS mandatory

 DESCRIPTION

 "An entry will become active if yes, and will

 be deleted if no."

 ::= { mconfigTrapsReceiversEntry 5 }

-- the ups group

-- the upsBaseIdent group

upsBaseIdentModel OBJECT-TYPE

 SYNTAX DisplayString

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "The UPS model name (e.g. 'Intelligent 8000E 900VA')."

 ::= { upsBaseIdent 1 }

upsBaseIdentUpsName OBJECT-TYPE

 SYNTAX DisplayString

 ACCESS read-write

 STATUS mandatory

 DESCRIPTION

 "An 8 byte ID string identifying the UPS. This object

 can be set by the administrator."

 ::= { upsBaseIdent 2 }

-- the upsSmartIdent group

upsSmartIdentFirmwareRevision OBJECT-TYPE

 SYNTAX DisplayString

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "The firmware revision of the UPS system."

 ::= { upsSmartIdent 1 }

upsSmartIdentDateOfManufacture OBJECT-TYPE

 SYNTAX DisplayString

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "The date when the UPS was manufactured in mm/dd/yy format."

 ::= { upsSmartIdent 2 }

upsSmartIdentUpsSerialNumber OBJECT-TYPE

 SYNTAX DisplayString

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "An 8-character string identifying the serial number of

 the UPS internal microprocessor. This number is set at

 the factory. NOTE: This number does NOT correspond to

 the serial number on the rear of the UPS."

 ::= { upsSmartIdent 3 }

upsSmartIdentAgentFirmwareRevision OBJECT-TYPE

 SYNTAX DisplayString

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "The firmware revision of the UPS SNMP Proxy agent."

 ::= { upsSmartIdent 4 }

-- the upsBaseBattery group

upsBaseBatteryStatus OBJECT-TYPE

 SYNTAX INTEGER {

 unknown(1),

 batteryNormal(2),

 batteryLow(3) }

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "The status of the UPS batteries. A batteryLow(3)

 value indicates the UPS will be unable to sustain the

 current load, and its services will be lost if power is

 not restored. The amount of run time in reserve at the

 time of low battery can be configured by the

 upsSmartConfigLowBatteryRunTime."

 ::= { upsBaseBattery 1 }

upsBaseBatteryTimeOnBattery OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "The elapsed time in seconds since the UPS has switched

 to battery power."

 ::= { upsBaseBattery 2 }

upsBaseBatteryLastReplaceDate OBJECT-TYPE

 SYNTAX DisplayString

 ACCESS read-write

 STATUS mandatory

 DESCRIPTION

 "The date when the UPS system's batteries were last replaced

 in mm/dd/yy format. For UPS models, this value is originally

 set in the factory. When the UPS batteries are replaced,

 this value should be reset by the administrator."

 ::= { upsBaseBattery 3 }

-- the upsSmartBattery group

upsSmartBatteryCapacity OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "The remaining battery capacity expressed in

 percent of full capacity."

 ::= { upsSmartBattery 1 }

upsSmartBatteryVoltage OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "The current battery voltage expressed in 1/10 VDC."

 ::= { upsSmartBattery 2 }

upsSmartBatteryTemperature OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "The current internal UPS temperature expressed in tenths of

 a Celsius degree."

 ::= { upsSmartBattery 3 }

upsSmartBatteryRunTimeRemaining OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "The UPS battery run time remaining before battery

 exhaustion, in seconds."

 ::= { upsSmartBattery 4 }

upsSmartBatteryReplaceIndicator OBJECT-TYPE

 SYNTAX INTEGER {

 noBatteryNeedsReplacing(1),

 batteryNeedsReplacing(2) }

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Indicates whether the UPS batteries need replacing."

 ::= { upsSmartBattery 5 }

upsSmartBatteryFullChargeVoltage OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "The fully charged battery voltage of the battery system

 used in the UPS, expressed in tenths of a volt."

 ::= { upsSmartBattery 6 }

upsSmartBatteryCurrent OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "The current battery current expressed in percent of

 maximum current."

 ::= { upsSmartBattery 7 }

-- the upsBaseInput group

upsBaseInputPhase OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "The current AC input phase."

 ::= { upsBaseInput 1 }

-- the upsSmartInput group

upsSmartInputLineVoltage OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "The current utility line voltage in 1/10 VAC."

 ::= { upsSmartInput 1 }

upsSmartInputMaxLineVoltage OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "The maximum utility line voltage in 1/10 VAC over the

 previous 1 minute period."

 ::= { upsSmartInput 2 }

upsSmartInputMinLineVoltage OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "The minimum utility line voltage in 1/10 VAC over the

 previous 1 minute period."

 ::= { upsSmartInput 3 }

upsSmartInputFrequency OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "The current input frequency to the UPS system in 1/10 Hz."

 ::= { upsSmartInput 4 }

upsSmartInputLineFailCause OBJECT-TYPE

 SYNTAX INTEGER {

 noTransfer(1),

 highLineVoltage(2),

 brownout(3),

 blackout(4),

 smallMomentarySag(5),

 deepMomentarySag(6),

 smallMomentarySpike(7),

 largeMomentarySpike(8) }

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "The reason for the occurrence of the last transfer

 to UPS battery power. The variable is set to

 noTransfer(1) if there is no transfer yet. The variable

 is set to highLineVoltage(2) if the transfer to battery is

 caused by an over voltage greater than the high transfer

 voltage. The variable is set to brownout(3) if the duration

 of the outage is greater than five seconds and the line

 voltage is between 40 percent of the rated output voltage and

 the low transfer voltage. The variable is set to blackout(4)

 if the duration of the outage is greater than five seconds and

 the line voltage is between 40 percent of the rated output voltage

 and ground. The variable is set to smallMomentarySag(5)

 if the duration of the outage is less than five seconds and

 the line voltage is between 40 percent of the rated output voltage

 and the low transfer voltage. The variable is set to

 deepMomentarySag(6) if the duration of the outage is less

 than five seconds and the line voltage is between 40 percent of the

 rated output voltage and ground."

 ::= { upsSmartInput 5 }

-- the upsBaseOutput group

upsBaseOutputStatus OBJECT-TYPE

 SYNTAX INTEGER {

 unknown(1),

 onLine(2),

 onBattery(3),

 onBoost(4),

 sleeping(5),

 onBypass(6),

 rebooting(7),

 standBy(8),

 onBuck(9) }

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "The current state of the UPS. If the UPS is unable

 to determine the state of the UPS this variable is set

 to unknown(1)."

 ::= { upsBaseOutput 1 }

upsBaseOutputPhase OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "The current output phase."

 ::= { upsBaseOutput 2 }

-- the upsSmartOutput group

upsSmartOutputVoltage OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "The output voltage of the UPS system in 1/10 VAC."

 ::= { upsSmartOutput 1 }

upsSmartOutputFrequency OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "The current output frequency of the UPS system in 1/10 Hz."

 ::= { upsSmartOutput 2 }

upsSmartOutputLoad OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "The current UPS load expressed in percent

 of rated capacity."

 ::= { upsSmartOutput 3 }

-- the upsBaseConfig group

upsBaseConfigNumDevices OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "The number of devices that are plugged into the UPS."

 ::= { upsBaseConfig 1 }

upsBaseConfigDeviceTable OBJECT-TYPE

 SYNTAX SEQUENCE OF UpsBaseConfigDeviceEntry

 ACCESS not-accessible

 STATUS mandatory

 DESCRIPTION

 "A list of devices that are plugged into the UPS. The

 number of entries is given by the value of

 upsBaseConfigNumDevices."

 ::= { upsBaseConfig 2 }

upsBaseConfigDeviceEntry OBJECT-TYPE

 SYNTAX UpsBaseConfigDeviceEntry

 ACCESS not-accessible

 STATUS mandatory

 DESCRIPTION

 "The devices plugged in to the UPS."

 INDEX {

 indexOfDevice }

 ::= { upsBaseConfigDeviceTable 1 }

UpsBaseConfigDeviceEntry ::= SEQUENCE {

 indexOfDevice INTEGER,

 nameOfDevice DisplayString,

 vaRatingOfDevice INTEGER,

 deviceAccept INTEGER }

indexOfDevice OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "The index of the device that is plugged into the UPS."

 ::= { upsBaseConfigDeviceEntry 1 }

nameOfDevice OBJECT-TYPE

 SYNTAX DisplayString

 ACCESS read-write

 STATUS mandatory

 DESCRIPTION

 "The name/description of the device plugged into the UPS."

 ::= { upsBaseConfigDeviceEntry 2 }

vaRatingOfDevice OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-write

 STATUS mandatory

 DESCRIPTION

 "The volt-amp rating of the device plugged into the UPS."

 ::= { upsBaseConfigDeviceEntry 3 }

deviceAccept OBJECT-TYPE

 SYNTAX INTEGER {

 yes(1),

 no(2) }

 ACCESS read-write

 STATUS mandatory

 DESCRIPTION

 "An entry is added if yes, the entry is deleted if no."

 ::= { upsBaseConfigDeviceEntry 4 }

-- the upsSmartConfig group

upsSmartConfigRatedOutputVoltage OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-write

 STATUS mandatory

 DESCRIPTION

 "The nominal output voltage from the UPS in 1/10 VAC.

 Possible values are 1000, 1200, 2080, 2200, 2250, 2300

 and 2400.

 NOTE: Only units that are 2200, 2250, 2300 and 2400 can

 be changed. Allowable values are 2200, 2250, 2300 and

 2400.

 For these adjustable units, if a value other than

 a supported value is provided in a set request, the

 UPS interprets it as the next lower acceptable value.

 If the provided value is lower than the lowest acceptable

 value, the lowest acceptable value is used."

 ::= { upsSmartConfig 1 }

upsSmartConfigHighTransferVolt OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-write

 STATUS mandatory

 DESCRIPTION

 "The maximum line voltage in 1/10 VAC allowed before the

 UPS system transfers to battery backup.

 Allowed value depend on the UPS used:

 120 Volt units allow settings of 1290, 1320, 1350, 1380.

 100 Volt units allow settings of 1080, 1100, 1120, 1140.

 230 Volt units allow settings of 2530, 2640, 2710, 2800.

 208 Volt units allow settings of 2240, 2290, 2340, 2390.

 If a value other than a supported value is provided in a

 set request, the UPS interprets it as the next lower

 acceptable value. If the provided value is lower than

 the lowest acceptable value, the lowest acceptable

 value is used."

 ::= { upsSmartConfig 2 }

upsSmartConfigLowTransferVolt OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-write

 STATUS mandatory

 DESCRIPTION

 "The minimum line voltage in 1/10 VAC allowed before the

 UPS system transfers to battery backup.

 Allowable values depend on the UPS used:

 120 Volt units allow settings of 970, 1000, 1030, 1060.

 100 Volt units allow settings of 810, 830, 850, 870.

 230 Volt units allow settings of 1880, 1960, 2040, 2080.

 208 Volt units allow settings of 1680, 1720, 1770, 1820.

 If a value other than a supported value is provided in a

 set request, the UPS interprets it as a the next higher

 acceptable value. If the provided value is higher than

 the highest acceptable value, the highest acceptable

 value is used."

 ::= { upsSmartConfig 3 }

upsSmartConfigAlarm OBJECT-TYPE

 SYNTAX INTEGER {

 timed(1),

 atLowBattery(2),

 never(3) }

 ACCESS read-write

 STATUS mandatory

 DESCRIPTION

 "A flag indicating how the UPS should handle audible line fail

 alarms."

 ::= { upsSmartConfig 4 }

upsSmartConfigAlarmTimer OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-write

 STATUS mandatory

 DESCRIPTION

 "The time in seconds after initial line failure at which the

 UPS begins emitting audible alarms (beeping). This timer is

 observerd only if the value of extControlAlarm is timed(2).

 Allowed values are 0 or 30 seconds.

 If a value other than a supported value is provided in a

 set request, the UPS interprets it as a the next lower

 acceptable value. If the provided value is lower than

 the lowest acceptable value, the lowest acceptable

 value is used."

 ::= { upsSmartConfig 5 }

upsSmartConfigMinReturnCapacity OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-write

 STATUS mandatory

 DESCRIPTION

 "The minimum battery capacity as a percent of full capacity

 required before the UPS will return from a low battery

 shutdown condition. In other words, the UPS will not

 re-energize the output until the battery capacity is equal

 to this value. Allowed values are 0, 10, 25, or 90 percent.

 If a value other than a supported value is provided in a

 set request, the UPS interprets it as a the next higher

 acceptable value. If the provided value is higher than

 the highest acceptable value, the highest acceptable

 value is used."

 ::= { upsSmartConfig 6 }

upsSmartConfigSensitivity OBJECT-TYPE

 SYNTAX INTEGER {

 auto(1),

 low(2),

 medium(3),

 high(4) }

 ACCESS read-write

 STATUS mandatory

 DESCRIPTION

 "The sensitivity of the UPS to utility line abnormalities

 or noises."

 ::= { upsSmartConfig 7 }

upsSmartConfigLowBatteryRunTime OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-write

 STATUS mandatory

 DESCRIPTION

 "The desired run time in seconds once the low battery

 condition is reached. Allowed values are 120, 300, 420,

 or 600 seconds. During this time the UPS will produce a

 constant warning tone which can not be disabled.

 If a value other than a supported value is provided in a

 set request, the UPS interprets it as a the next higher

 acceptable value. If the provided value is higher than

 the highest acceptable value, the highest acceptable

 value is used."

 ::= { upsSmartConfig 8 }

upsSmartConfigReturnDelay OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-write

 STATUS mandatory

 DESCRIPTION

 "The delay in seconds after utility line power returns

 before the UPS will turn on. This value is also used

 when the UPS comes out of a reboot and before the UPS

 wakes up from 'sleep' mode. Allowed values are 0, 60,

 180 and 300 seconds.

 If a value other than a supported value is provided in a

 set request, the UPS interprets it as a the next higher

 acceptable value. If the provided value is higher than

 the highest acceptable value, the highest acceptable

 value is used."

 ::= { upsSmartConfig 9 }

upsSmartConfigShutoffDelay OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-write

 STATUS mandatory

 DESCRIPTION

 "The delay in seconds the UPS remains on after being told

 to turn off. Allowed values are 12, 18, 24, 30, 36, 42,

 48, 54, 60, 120, 180, 240, 300, 360, 420, 480, 540, and

 600 seconds.

 If a value other than a supported value is provided in a

 set request, the UPS interprets it as next higher acceptable

 value. If the provided value is higher than the highest

 acceptable value, the highest acceptable value is used."

 ::= { upsSmartConfig 10 }

upsSmartConfigUpsSleepTime OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-write

 STATUS mandatory

 DESCRIPTION

 "The time in minutes for the UPS to go to 'sleep' when

 instructed. When in sleep mode, the UPS will not provide

 output power regardless of the input line state. Once the

 specified time has elapsed, output power will be restored.

 This is a configuration setting. The UPS will not go to

 sleep until told to do so by the manager from a management

 station.

 Any input value is allowed, however the UPS only recognizes

 0 - 9999 minutes in one minute increments.

 If the provided value is higher than the highest acceptable

 value, the highest acceptable value is used."

 ::= { upsSmartConfig 11 }

upsSmartConfigSetEEPROMDefaults OBJECT-TYPE

 SYNTAX INTEGER {

 noSetEEPROMDefaults(1),

 setEEPROMDefaults(2) }

 ACCESS read-write

 STATUS mandatory

 DESCRIPTION

 "WRITE: Resets the UPS EEPROM variables to default values.

 READ: returns 0"

 ::= { upsSmartConfig 12 }

-- the upsBaseControl group

upsBaseControlConserveBattery OBJECT-TYPE

 SYNTAX INTEGER {

 noTurnOffUps(1),

 turnUpsOffToConserveBattery(2),

 turnUpsOffToConserveBatteryDelay(3) }

 ACCESS read-write

 STATUS mandatory

 DESCRIPTION

 "Setting this variable to turnUpsOffToConserveBattery(2)

 causes a UPS on battery to be put into 'sleep' mode immediately.

 The (10) means suspending time(10 minutes) before turn off UPS.

 UPS will turn back on when utility power is restored.

 Attempting to turn off a UPS that is not on battery will

 result in a badValue error.

 Setting this value to noTurnOffUps(1) has no

 effect.

 The value noTurnOffUps(1) will always be returned

 when the variable is read."

 ::= { upsBaseControl 1 }

-- the upsSmartControl group

upsSmartControlUpsOff OBJECT-TYPE

 SYNTAX INTEGER {

 noTurnUpsOff(1),

 turnUpsOff(2) }

 ACCESS read-write

 STATUS mandatory

 DESCRIPTION

 "Setting this variable to turnUpsOff(2) causes

 the UPS to shut off. When in this state, the UPS

 will not provide output power regardless of the input

 line state. The on/off switch on the UPS

 must be toggled for the UPS to return to operation.

 Setting this value to noTurnUpsOff(1) has no

 effect.

 The value noTurnUpsOff(1) will always be returned

 when the variable is read."

 ::= { upsSmartControl 1 }

upsSmartControlRebootUps OBJECT-TYPE

 SYNTAX INTEGER {

 noRebootUps(1),

 rebootUps(2) }

 ACCESS read-write

 STATUS mandatory

 DESCRIPTION

 "Setting this variable to rebootUps(2) causes the

 UPS to shut off and turn back on.

 Setting this value to noRebootUps(1) has no effect.

 The value noRebootUps(1) will always be returned

 when the variable is read."

 ::= { upsSmartControl 2 }

upsSmartControlUpsSleep OBJECT-TYPE

 SYNTAX INTEGER {

 noPutUpsToSleep(1),

 putUpsToSleep(2) }

 ACCESS read-write

 STATUS mandatory

 DESCRIPTION

 "Setting this variable to putUpsToSleep(2) causes

 the UPS to go to sleep for the time specified by

 upsSmartConfigUpsSleepTime.

 When in sleep mode, the UPS will not provide output

 power regardless of the input line state. Once the

 specified time has elapsed, output power will be

 restored.

 Setting this value to noPutUpsToSleep(1) has no

 effect.

 The value noPutUpsToSleep(1) will always be returned

 when the variable is read."

 ::= { upsSmartControl 3 }

upsSmartControlSimulatePowerFail OBJECT-TYPE

 SYNTAX INTEGER {

 noSimulatePowerFailure(1),

 simulatePowerFailure(2) }

 ACCESS read-write

 STATUS mandatory

 DESCRIPTION

 "Setting this variable to simulatePowerFailure(2) causes

 the UPS switch to battery power.

 Setting this value to noSimulatePowerFailure(1) has no

 effect.

 The value noSimulatePowerFailure(1) will always be returned

 when the variable is read."

 ::= { upsSmartControl 4 }

upsSmartControlFlashAndBeep OBJECT-TYPE

 SYNTAX INTEGER {

 noFlashAndBeep(1),

 flashAndBeep(2) }

 ACCESS read-write

 STATUS mandatory

 DESCRIPTION

 "UPS to identify itself by lighting all indicators

 and beeping.

 Setting this variable to FlashAndBeep(2) causes

 the UPS lights all panel indicators and beeps.

 Setting this value to noFlashAndBeep(1) has no

 effect.

 The value noFlashAndBeep(1) will always be returned

 when the variable is read."

 ::= { upsSmartControl 5 }

upsSmartControlTurnOnUpsLoad OBJECT-TYPE

 SYNTAX INTEGER {

 noUpsSmartControlTurnOnUpsLoad(1),

 upsSmartControlTurnOnUpsLoad(2) }

 ACCESS read-write

 STATUS mandatory

 DESCRIPTION

 "Setting this variable to upsSmartControlTurnOnUpsLoad(2)

 causes the UPS switch back to utility power if utility

 power is present.

 Setting this value to noUpsSmartControlTurnOnUpsLoad(1)

 has no effect.

 The value noUpsSmartControlTurnOnUpsLoad(1) will always

 be returned when the variable is read."

 ::= { upsSmartControl 6 }

-- the upsBaseTest group

-- the upsSmartTest group

upsSmartTestDiagnosticSchedule OBJECT-TYPE

 SYNTAX INTEGER {

 unknown(1),

 biweekly(2),

 weekly(3),

 never(4) }

 ACCESS read-write

 STATUS mandatory

 DESCRIPTION

 "The UPS system's automatic battery test schedule."

 ::= { upsSmartTest 1 }

upsSmartTestDiagnostics OBJECT-TYPE

 SYNTAX INTEGER {

 noTestDiagnostics(1),

 testDiagnostics(2) }

 ACCESS read-write

 STATUS mandatory

 DESCRIPTION

 "Setting this variable to testDiagnostics(2) causes

 the UPS to perform a diagnostic self test.

 Setting this value to noTestDiagnostics(1) has no

 effect.

 The value noTestDiagnostics(1) will always be returned

 when the variable is read."

 ::= { upsSmartTest 2 }

upsSmartTestDiagnosticsResults OBJECT-TYPE

 SYNTAX INTEGER {

 ok(1),

 failed(2),

 invalidTest(3),

 testInProgress(4) }

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "The results of the last UPS diagnostics test performed."

 ::= { upsSmartTest 3 }

upsSmartTestLastDiagnosticsDate OBJECT-TYPE

 SYNTAX DisplayString

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "The date the last UPS diagnostics test was performed in

 mm/dd/yy format."

 ::= { upsSmartTest 4 }

upsSmartTestIndicators OBJECT-TYPE

 SYNTAX INTEGER {

 noTestIndicators(1),

 testIndicators(2) }

 ACCESS read-write

 STATUS mandatory

 DESCRIPTION

 "Setting this variable to testIndicators(2) causes

 the UPS to perform a front panel indicator (lights) test.

 Setting this value to noTestIndicators(1) has no effect.

 The value noTestIndicators(1) will always be returned

 when the variable is read."

 ::= { upsSmartTest 5 }

upsSmartTestRuntimeCalibration OBJECT-TYPE

 SYNTAX INTEGER {

 noPerformCalibration(1),

 performCalibration(2),

 cancelCurrentCalibration(3) }

 ACCESS read-write

 STATUS mandatory

 DESCRIPTION

 "Setting this variable to performCalibration(2) causes

 the UPS to discharge to calibrate the UPS.

 The test will only start if the battery capacity is 100 percent.

 The test runs until capacity is less than 25 percent.

 Setting this variable to cancelCurrentCalibration(3)

 after setting performCalibration(2) will cancel the

 current discharge.

 Setting this variable to noPerformCalibration(1)

 will have no effect.

 The value noPerformCalibration(1) will always be returned

 when the variable is read.

 The result of the calibration will be saved in

 upsSmartTestCalibrationResult."

 ::= { upsSmartTest 6 }

upsSmartTestCalibrationResults OBJECT-TYPE

 SYNTAX INTEGER {

 ok(1),

 invalidTest(2),

 calibrationInProgress(3) }

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "The results of the last runtime calibration.

 Value ok(1) means a successful runtime calibration.

 Value invalidTest(2) indicates last calibration did

 not take place since the battery capacity was below

 100 percent.

 Value calibrationInProgress(3) means a calibration

 is occurring now."

 ::= { upsSmartTest 7 }

upsSmartTestCalibrationDate OBJECT-TYPE

 SYNTAX DisplayString

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "The date the last UPS runtime calibration was

 performed in mm/dd/yy format."

 ::= { upsSmartTest 8 }

-----------------------

--ups ThreePhase group-

-----------------------

upsThreePhaseBatteryVoltage OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Battery Voltage"

 ::= { upsThreePhaseBatteryGrp 1 }

upsThreePhaseBatteryCapacityPercentage OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Battery Capacity Percentage"

 ::= { upsThreePhaseBatteryGrp 2 }

upsThreePhaseBatteryTimeRemain OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Battery Time Remain (unit is Minute)"

 ::= { upsThreePhaseBatteryGrp 3 }

upsThreePhaseBatteryCurrent OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Battery Electric Current"

 ::= { upsThreePhaseBatteryGrp 4 }

upsThreePhaseBatteryTemperature OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Battery Temperature"

 ::= { upsThreePhaseBatteryGrp 5 }

upsThreePhaseInputFrequency OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Input Frequency"

 ::= { upsThreePhaseInputGrp 1 }

upsThreePhaseInputVoltageR OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Input VoltageR"

 ::= { upsThreePhaseInputGrp 2 }

upsThreePhaseInputVoltageS OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Input VoltageS"

 ::= { upsThreePhaseInputGrp 3 }

upsThreePhaseInputVoltageT OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Input VoltageT"

 ::= { upsThreePhaseInputGrp 4 }

upsThreePhaseOutputFrequency OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Output Frequency"

 ::= { upsThreePhaseOutputGrp 1 }

upsThreePhaseOutputVoltageR OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Output VoltageR"

 ::= { upsThreePhaseOutputGrp 2 }

upsThreePhaseOutputVoltageS OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Output VoltageS"

 ::= { upsThreePhaseOutputGrp 3 }

upsThreePhaseOutputVoltageT OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Output VoltageT"

 ::= { upsThreePhaseOutputGrp 4 }

upsThreePhaseOutputLoadPercentageR OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Load PercentageR"

 ::= { upsThreePhaseOutputGrp 5 }

upsThreePhaseOutputLoadPercentageS OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Load PercentageS"

 ::= { upsThreePhaseOutputGrp 6 }

upsThreePhaseOutputLoadPercentageT OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Load PercentageT"

 ::= { upsThreePhaseOutputGrp 7 }

upsThreePhaseBypassSourceFrequency OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Bypass Frequency"

 ::= { upsThreePhaseBypassGrp 1 }

upsThreePhaseBypssSourceVoltageR OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Bypass VoltageR"

 ::= { upsThreePhaseBypassGrp 2 }

upsThreePhaseBypssSourceVoltageS OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Bypass VoltageS"

 ::= { upsThreePhaseBypassGrp 3 }

upsThreePhaseBypssSourceVoltageT OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Bypass VoltageT"

 ::= { upsThreePhaseBypassGrp 4 }

upsThreePhaseDCandRectifierStatusRecRotError OBJECT-TYPE

 SYNTAX INTEGER {

 yes(14),

 no(16) }

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Rectifier Rotation Error"

 ::= { upsThreePhaseDCandRectifierStatusGrp 1 }

upsThreePhaseDCandRectifierStatusLowBatteryShutdown OBJECT-TYPE

 SYNTAX INTEGER {

 yes(14),

 no(16) }

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Low Battery Shutdown"

 ::= { upsThreePhaseDCandRectifierStatusGrp 2 }

upsThreePhaseDCandRectifierStatusLowBattery OBJECT-TYPE

 SYNTAX INTEGER {

 yes(14),

 no(16) }

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Low Battery"

 ::= { upsThreePhaseDCandRectifierStatusGrp 3 }

upsThreePhaseDCandRectifierStatusInAndOut OBJECT-TYPE

 SYNTAX INTEGER {

 threeInOneOut(2),

 threeInThreeOut(3) }

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "In And Put"

 ::= { upsThreePhaseDCandRectifierStatusGrp 4 }

upsThreePhaseDCandRectifierStatusBatteryStatus OBJECT-TYPE

 SYNTAX INTEGER {

 backup(4),

 acnormal(5) }

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Back Status"

 ::= { upsThreePhaseDCandRectifierStatusGrp 5 }

upsThreePhaseDCandRectifierStatusChargeStatus OBJECT-TYPE

 SYNTAX INTEGER {

 boost(6),

 float(7),

 no(16) }

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Charge Status"

 ::= { upsThreePhaseDCandRectifierStatusGrp 6 }

upsThreePhaseDCandRectifierStatusRecOperating OBJECT-TYPE

 SYNTAX INTEGER {

 yes(14),

 no(16) }

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Rectifier Operating"

 ::= { upsThreePhaseDCandRectifierStatusGrp 7 }

upsThreePhaseUPSStatusBypassFreqFail OBJECT-TYPE

 SYNTAX INTEGER {

 yes(14),

 no(16) }

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Bypass Status"

 ::= { upsThreePhaseUPSStatusGrp 1 }

upsThreePhaseUPSStatusManualBypassBreaker OBJECT-TYPE

 SYNTAX INTEGER {

 close(8),

 open(9) }

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Breaker Status"

 ::= { upsThreePhaseUPSStatusGrp 2 }

upsThreePhaseUPSStatusACStatus OBJECT-TYPE

 SYNTAX INTEGER {

 normal(10),

 abnormal(11) }

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "AC Status"

 ::= { upsThreePhaseUPSStatusGrp 3 }

upsThreePhaseUPSStaticSwitchMode OBJECT-TYPE

 SYNTAX INTEGER {

 invermode(12),

 bypassmode(13) }

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Switch Mode"

 ::= { upsThreePhaseUPSStatusGrp 4 }

upsThreePhaseUPSStatusInverterOperating OBJECT-TYPE

 SYNTAX INTEGER {

 yes(14),

 no(16) }

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Operating"

 ::= { upsThreePhaseUPSStatusGrp 5 }

upsThreePhaseFaultStatusEmergencyStop OBJECT-TYPE

 SYNTAX INTEGER {

 yes(14),

 no(16) }

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Emergency Stop"

 ::= { upsThreePhaseFaultStatusGrp 1 }

upsThreePhaseFaultStatusHighDCShutdown OBJECT-TYPE

 SYNTAX INTEGER {

 yes(14),

 no(16) }

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "High DC Shutdown"

 ::= { upsThreePhaseFaultStatusGrp 2 }

upsThreePhaseFaultStatusBypassBreaker OBJECT-TYPE

 SYNTAX INTEGER {

 yes(14),

 no(16) }

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Bypass Breaker"

 ::= { upsThreePhaseFaultStatusGrp 3 }

upsThreePhaseFaultStatusOverLoad OBJECT-TYPE

 SYNTAX INTEGER {

 yes(14),

 no(16) }

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Over Load"

 ::= { upsThreePhaseFaultStatusGrp 4 }

upsThreePhaseFaultStatusInverterOutputFail OBJECT-TYPE

 SYNTAX INTEGER {

 yes(14),

 no(16) }

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Output Fail"

 ::= { upsThreePhaseFaultStatusGrp 5 }

upsThreePhaseFaultStatusOverTemperature OBJECT-TYPE

 SYNTAX INTEGER {

 yes(14),

 no(16) }

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Over Temperature"

 ::= { upsThreePhaseFaultStatusGrp 6 }

upsThreePhaseFaultStatusShortCircuit OBJECT-TYPE

 SYNTAX INTEGER {

 yes(14),

 no(16) }

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Short Circuit"

 ::= { upsThreePhaseFaultStatusGrp 7 }

upsThreePhaseRatingRectifierVoltage OBJECT-TYPE

 SYNTAX DisplayString

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Rectifier Voltage"

 ::= { upsThreePhaseRatingGrp 1 }

upsThreePhaseRatingRectifierFrequency OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Rectifier Frequency"

 ::= { upsThreePhaseRatingGrp 2 }

upsThreePhaseRatingBypassVoltage OBJECT-TYPE

 SYNTAX DisplayString

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Bypass Voltage"

 ::= { upsThreePhaseRatingGrp 3 }

upsThreePhaseRatingBypassFrequency OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Bypass Frequency"

 ::= { upsThreePhaseRatingGrp 4 }

upsThreePhaseRatingOutputVoltage OBJECT-TYPE

 SYNTAX DisplayString

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Output Voltage"

 ::= { upsThreePhaseRatingGrp 5 }

upsThreePhaseRatingOutputFrequency OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Output Frequency"

 ::= { upsThreePhaseRatingGrp 6 }

upsThreePhaseRatingBatteryVoltage OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Battery Voltage"

 ::= { upsThreePhaseRatingGrp 7 }

upsThreePhaseRatingPower OBJECT-TYPE

 SYNTAX DisplayString

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Power Rating"

 ::= { upsThreePhaseRatingGrp 8 }

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upsEnvStatus OBJECT IDENTIFIER ::= { upsEnvironment 1 }

upsEnvTemperature OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "The ambient environment temperature."

 ::= { upsEnvStatus 1 }

upsEnvHumidity OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "The environment humidity."

 ::= { upsEnvStatus 2 }

upsEnvOverTemperature OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-write

 STATUS mandatory

 DESCRIPTION

 "Alarm dupsAlarmOverTemperature on when the environment

 temperature over the value."

 ::= { upsEnvSetting 1 }

upsEnvOverHumidity OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-write

 STATUS mandatory

 DESCRIPTION

 "Alarm dupsAlarmOverHumidity on when the environment

 humidity over the value."

 ::= { upsEnvSetting 3 }

upsEnvSecurity1 OBJECT-TYPE

 SYNTAX INTEGER {

 normal(1),

 abnormal(2) }

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Security status"

 ::= { upsEnvStatus 5 }

upsEnvSecurity2 OBJECT-TYPE

 SYNTAX INTEGER {

 normal(1),

 abnormal(2) }

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Security status"

 ::= { upsEnvStatus 6 }

upsEnvSecurity3 OBJECT-TYPE

 SYNTAX INTEGER {

 normal(1),

 abnormal(2) }

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Security status"

 ::= { upsEnvStatus 7 }

upsEnvSecurity4 OBJECT-TYPE

 SYNTAX INTEGER {

 normal(1),

 abnormal(2) }

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Security status"

 ::= { upsEnvStatus 8 }

upsEnvSecurity5 OBJECT-TYPE

 SYNTAX INTEGER {

 normal(1),

 abnormal(2) }

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Security status"

 ::= { upsEnvStatus 9 }

upsEnvSecurity6 OBJECT-TYPE

 SYNTAX INTEGER {

 normal(1),

 abnormal(2) }

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Security status"

 ::= { upsEnvStatus 10 }

upsEnvSecurity7 OBJECT-TYPE

 SYNTAX INTEGER {

 normal(1),

 abnormal(2) }

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Security status"

 ::= { upsEnvStatus 11 }

upsEnvWater OBJECT-TYPE

 SYNTAX INTEGER {

 normal(1),

 abnormal(2) }

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Water status"

 ::= { upsEnvStatus 3 }

upsEnvSmoke OBJECT-TYPE

 SYNTAX INTEGER {

 normal(1),

 abnormal(2) }

 ACCESS read-only

 STATUS mandatory

 DESCRIPTION

 "Smoke status"

 ::= { upsEnvStatus 4 }

upsEnvSetting OBJECT IDENTIFIER ::= { upsEnvironment 2 }

upsEnvUnderTemperature OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-write

 STATUS mandatory

 DESCRIPTION

 "Alarm dupsAlarmUnderTemperature on when the environment

 temperature below the value."

 ::= { upsEnvSetting 2 }

upsEnvUnderHumidity OBJECT-TYPE

 SYNTAX INTEGER

 ACCESS read-write

 STATUS mandatory

 DESCRIPTION

 "Alarm dupsAlarmUnderHumidity on when the environment

 humidity below the value."

 ::= { upsEnvSetting 4 }

communicationLost TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "SEVERE: Communication to the UPS has been lost. Steps

 to reestablish communication are in progress."

 --#TYPE "PPC UPS: Communication failure"

 --#SUMMARY "Communication to the UPS has been lost."

 --#ARGUMENTS { }

 --#SEVERITY CRITICAL

 --#TIMEINDEX 1

 --#HELP ""

 --#HELPTAG 0

 --#STATE DEGRADED

 ::= 1

upsOverLoad TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "SEVERE: The UPS has sensed a load greater than 100 percent

 of its rated capacity."

 --#TYPE "PPC UPS: UPS overload"

 --#SUMMARY "The UPS has sensed a load greater than 100 percent of its rated capacity."

 --#ARGUMENTS { }

 --#SEVERITY CRITICAL

 --#TIMEINDEX 1

 --#HELP ""

 --#HELPTAG 0

 --#STATE DEGRADED

 ::= 2

upsDiagnosticsFailed TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "SEVERE: The UPS failed its internal diagnostic self-test."

 --#TYPE "PPC UPS: Failed self-test"

 --#SUMMARY "The UPS has failed its internal diagnostic self-test."

 --#ARGUMENTS { }

 --#SEVERITY CRITICAL

 --#TIMEINDEX 1

 --#HELP ""

 --#HELPTAG 0

 --#STATE DEGRADED

 ::= 3

upsDischarged TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "SEVERE: The UPS just started a runtime calibration

 discharge. The UPS batteries are being discharged."

 --#TYPE "PPC UPS: Deep discharge"

 --#SUMMARY "The UPS has just started a runtime calibration discharge."

 --#ARGUMENTS { }

 --#SEVERITY CRITICAL

 --#TIMEINDEX 1

 --#HELP ""

 --#HELPTAG 0

 --#STATE DEGRADED

 ::= 4

upsOnBattery TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "WARNING: The UPS has switched to battery backup power."

 --#TYPE "PPC UPS: On battery"

 --#SUMMARY "The UPS has switched to battery backup power."

 --#ARGUMENTS { }

 --#SEVERITY MAJOR

 --#TIMEINDEX 1

 --#HELP ""

 --#HELPTAG 0

 --#STATE OPERATIONAL

 ::= 5

boostOn TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "WARNING: The UPS has enabled Boost."

 --#TYPE "PPC UPS: SmartBoost"

 --#SUMMARY "The UPS has enabled Boost."

 --#ARGUMENTS { }

 --#SEVERITY MINOR

 --#TIMEINDEX 1

 --#HELP ""

 --#HELPTAG 0

 --#STATE OPERATIONAL

 ::= 6

lowBattery TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "SEVERE: The UPS batteries are low and will soon be exhausted.

 If utility power is not restored the UPS will put itself

 to 'sleep' and immediately cut power to the load."

 --#TYPE "PPC UPS: Low battery"

 --#SUMMARY "The UPS batteries are low and will soon be exhausted."

 --#ARGUMENTS { }

 --#SEVERITY CRITICAL

 --#TIMEINDEX 1

 --#HELP ""

 --#HELPTAG 0

 --#STATE DEGRADED

 ::= 7

communicationEstablished TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "INFORMATION: Communication with the UPS has been

 established."

 --#TYPE "PPC UPS: Communication established"

 --#SUMMARY "Communication with the UPS has been established."

 --#ARGUMENTS { }

 --#SEVERITY INFORMATIONAL

 --#TIMEINDEX 1

 --#HELP ""

 --#HELPTAG 0

 --#STATE OPERATIONAL

 ::= 8

powerRestored TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "INFORMATION: Utility power has been restored."

 --#TYPE "PPC UPS: Utility restored"

 --#SUMMARY "Normal power has been restored to the UPS."

 --#ARGUMENTS { }

 --#SEVERITY INFORMATIONAL

 --#TIMEINDEX 1

 --#HELP ""

 --#HELPTAG 0

 --#STATE OPERATIONAL

 ::= 9

upsDiagnosticsPassed TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "INFORMATION: The UPS passed its internal self-test."

 --#TYPE "PPC UPS: Passed self-test"

 --#SUMMARY "The UPS has passed its internal self-test."

 --#ARGUMENTS { }

 --#SEVERITY INFORMATIONAL

 --#TIMEINDEX 1

 --#HELP ""

 --#HELPTAG 0

 --#STATE OPERATIONAL

 ::= 10

returnFromLowBattery TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "INFORMATION: The UPS has returned from a low battery

 condition."

 --#TYPE "PPC UPS: Battery normal"

 --#SUMMARY "The UPS has returned from a low battery condition."

 --#ARGUMENTS { }

 --#SEVERITY INFORMATIONAL

 --#TIMEINDEX 1

 --#HELP ""

 --#HELPTAG 0

 --#STATE OPERATIONAL

 ::= 11

upsTurnedOff TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "WARNING: The UPS has been turned 'off' by the

 management station."

 --#TYPE "PPC UPS: Switching off"

 --#SUMMARY "The UPS is being switched off by a management station."

 --#ARGUMENTS { }

 --#SEVERITY MAJOR

 --#TIMEINDEX 1

 --#HELP ""

 --#HELPTAG 0

 --#STATE NONOPERATIONAL

 ::= 12

upsSleeping TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "WARNING: The UPS is entering 'sleep' mode. Power

 to the load will be cut off."

 --#TYPE "PPC UPS: Going to sleep"

 --#SUMMARY "The UPS is going into sleep mode."

 --#ARGUMENTS { }

 --#SEVERITY MAJOR

 --#TIMEINDEX 1

 --#HELP ""

 --#HELPTAG 0

 --#STATE NONOPERATIONAL

 ::= 13

upsWokeUp TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "INFORMATION: The UPS woke up from 'sleep' mode. Power

 to the load has been restored."

 --#TYPE "PPC UPS: Wake up"

 --#SUMMARY "The UPS has woke up from sleep mode."

 --#ARGUMENTS { }

 --#SEVERITY INFORMATIONAL

 --#TIMEINDEX 1

 --#HELP ""

 --#HELPTAG 0

 --#STATE OPERATIONAL

 ::= 14

upsRebootStarted TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "WARNING: The UPS has started its reboot sequence. After

 the specified delay the UPS will perform a reboot."

 --#TYPE "PPC UPS: Starting reboot"

 --#SUMMARY "The UPS has started its reboot sequence."

 --#ARGUMENTS { }

 --#SEVERITY MAJOR

 --#TIMEINDEX 1

 --#HELP ""

 --#HELPTAG 0

 --#STATE NONOPERATIONAL

 ::= 15

envOverTemperature TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "WARNING: The environment temperature exceed the normal value."

 ::= 16

envTemperatureNormal TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "INFORMATION: The environment temperature is normal."

 ::= 17

envOverHumidity TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "WARNING: The environment humidity exceed the normal value."

 ::= 18

envHumidityNormal TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "INFORMATION: The environment humidity is normal."

 ::= 19

envSmokeAbnormal TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "WARNING: Smoke is abnormal."

 ::= 20

envWaterAbnormal TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "WARNING: Water is abnormal."

 ::= 21

envSecurityAbnormal TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "WARNING: Security is abnormal."

 ::= 22

--envSmokeNormal TRAP-TYPE

-- ENTERPRISE ppc

-- DESCRIPTION

-- "INFORMATION: Smoke is normal."

-- ::= 23

envWaterNormal TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "INFORMATION: Water is normal."

 ::= 24

--envSecurityNormal TRAP-TYPE

-- ENTERPRISE ppc

-- DESCRIPTION

-- "INFORMATION: Security is normal."

-- ::= 25

envGasAbnormal TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "WARNING: Gas Alarm"

 ::= 26

upsTemp TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "WARNING: UPS Temperature Overrun"

 ::= 27

upsLoadNormal TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "WARNING: UPS Load Normal"

 ::= 28

upsTempNormal TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "WARNING: UPS temperature Normal"

 ::= 29

envUnderTemperature TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "WARNING: The environment temperature below the normal value."

 ::= 30

envUnderHumidity TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "WARNING: The environment humidity below the normal value."

 ::= 31

upsBypass TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "WARNING: The UPS is entering 'bypass' mode."

 ::= 32

envSecurity1 TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "WARNING: Security1 Alarm."

 ::= 33

envSecurity2 TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "WARNING: Security2 Alarm."

 ::= 34

envSecurity3 TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "WARNING: Security3 Alarm."

 ::= 35

envSecurity4 TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "WARNING: Security4 Alarm."

 ::= 36

envSecurity5 TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "WARNING: Security5 Alarm."

 ::= 37

envSecurity6 TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "WARNING: Security6 Alarm."

 ::= 38

envSecurity7 TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "WARNING: Security7 Alarm."

 ::= 39

--envSecurity1Return TRAP-TYPE

-- ENTERPRISE ppc

-- DESCRIPTION

-- "WARNING: Security1 Normal."

-- ::= 40

--envSecurity2Return TRAP-TYPE

-- ENTERPRISE ppc

-- DESCRIPTION

-- "WARNING: Security2 Normal"

-- ::= 41

--envSecurity3Return TRAP-TYPE

-- ENTERPRISE ppc

-- DESCRIPTION

-- "WARNING: Security3 Normal."

-- ::= 42

--envSecurity4Return TRAP-TYPE

-- ENTERPRISE ppc

-- DESCRIPTION

-- "WARNING: Security4 Normal."

-- ::= 43

--envSecurity5Return TRAP-TYPE

-- ENTERPRISE ppc

-- DESCRIPTION

-- "WARNING: Security5 Normal."

-- ::= 44

--envSecurity6Return TRAP-TYPE

-- ENTERPRISE ppc

-- DESCRIPTION

-- "WARNING: Security6 Normal."

-- ::= 45

--envSecurity7Return TRAP-TYPE

-- ENTERPRISE ppc

-- DESCRIPTION

-- "WARNING: Security7 Normal."

-- ::= 46

upsRecroterror TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "WARNING: Rectifier Rotation Error"

 ::= 47

upsBypassFreFail TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "WARNING: Bypass Frequency Fail"

 ::= 48

upsBypassacnormal TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "WARNING: Bypass AC Normal"

 ::= 49

upsBypassacabnormal TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "WARNING: Bypass AC Abnormal"

 ::= 50

upsTest TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "WARNING: UPS Test"

 ::= 51

upsScheduleShutdown TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "WARNING: UPS Schedule Shutdown"

 ::= 52

upsBypassReturn TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "The UPS return from Bypass Mode"

 ::= 53

upsShortCircuitShutdown TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "The UPS Short Circuit Shutdown"

 ::= 54

upsInverterOutputFailShutdown TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "The UPS Inverter Output Fail Shutdown"

 ::= 55

upsBypassBreadkerOnShutdown TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "The UPS Manual Bypass Breaker on Shutdown"

 ::= 56

upsHighDCShutdown TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "The UPS High DC Shutdown"

 ::= 57

upsEmergencyStop TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "The UPS Emergency Stop"

 ::= 58

upsInverterMode TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "The UPS Static Switch in Inverter Mode"

 ::= 59

upsBypassMode TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "The UPS Static Switch in Bypass Mode"

 ::= 60

upsOverTemperatureShutdown TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "The UPS Over Temperature Shutdown"

 ::= 61

upsOverLoadShutdown TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "The UPS Overload Shutdown"

 ::= 62

upsCapacityUnderrun TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "The UPS Capacity Underrun"

 ::= 63

upsCapacityNormal TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "The UPS Capacity Normal"

 ::= 64

upsLowBatteryShutdown TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "The UPS Low Battery Shutdown"

 ::= 67

buckOn TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "WARNING: The UPS has enabled Buck."

 ::= 68

returnFromBuck TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "WARNING: The UPS has return from Buck."

 ::= 69

returnFromBoost TRAP-TYPE

 ENTERPRISE ppc

 DESCRIPTION

 "WARNING: The UPS has return from Boost."

 ::= 70

END