

Single Phase MIB

1. MIB library

1.1 MIB node for single phase ups

iso.org.dod.internet.private.enterprises.ppc
.1.3.6.1.4.1.935

1.2 Single phase ups node

ppc.Prouducts.hardware.ups---935.1.1.1

2. UPS node detailed description

2.1 UPS basic information (upsIdent)

.1.3.6.1.4.1.935.1.1.1.1

iso.org.dod.internet.private.enterprises.ppc.products.hardware.ups.upsIdent

Name	Description	OID
upsBaseIdentModel	UPS Model	1.1
UpsBaseIdentUpsName	UPS Name	1.2
upsSmartIdentFirmwareRevision	UPS Version	2.1
upsSmartIdentDateOfManufacture	UPS Manufacturer	2.2
upsSmartIdentAgentFirmwareRevision	SNMP Firmware version (V1)	2.4

2.2 UPS Battery Information(upsBattery)

.1.3.6.1.4.1.935.1.1.1.2

iso.org.dod.internet.private.enterprises.ppc.products.hardware.ups.upsBattery

Name	Description	OID
upsBaseBatteryStatus	Battery status ; 2-normal, 3-low voltage	1.1
upsSmartBatteryCapacity	Battery capacity	2.1
upsSmartBatteryVoltage	Battery voltage	2.2
upsSmartBatteryTemperature	Battery temperature	2.3

2.3 UPS Input Information (upsInput)

.1.3.6.1.4.1.935.1.1.1.3

iso.org.dod.internet.private.enterprises.ppc.products.hardware.ups.upsInput

Name	Description	OID
upsBaseInputPhase	Input phase	1.1
upsSmartInputLineVoltage	Input voltage	2.1
upsSmartInputMaxLineVoltage	Input max.voltage	2.2
upsSmartInputMinLineVoltage	Input min. voltage	2.3
upsSmartInputFrequency	Input frequency	2.4

2.4 UPS Output Information (upsOutput)

.1.3.6.1.4.1.935.1.1.1.4

iso.org.dod.internet.private.enterprises.ppc.products.hardware.ups.upsOutput

Name	Description	OID
upsBaseOutputStatus	Output status; 2-online, 1-unknow	1.1
upsBaseOutputPhase	Output phase	1.2
upsSmartOutputVoltage	Output voltage	2.1
upsSmartOutputFrequency	Output frequency	2.2
upsSmartOutputLoad	Output load	2.3

2.5 UPS Test (upsTest)

.1.3.6.1.4.1.935.1.1.1.7

iso.org.dod.internet.private.enterprises.ppc.products.hardware.ups.upsTest

Name	Description	OID
upsSmartTestDiagnostics	1-no test, 2-test within 10s	2.2
upsSmartTestDiagnosticsResults	Test result:1-normal, 2-failure, 3-invalid, 4-testing	2.3
upsSmartTestRuntimeCalibration	1-no test, 2-battery low voltage test, 3-cancel test battery low voltage	2.6
upsSmartTestCalibrationResults	Calibration result:1-normal, 2-invalid, 3-testing	2.7

2.6 Ambient temperature and humidity (Environment)

.1.3.6.1.4.1.935.1.1.1.8

iso.org.dod.internet.private.enterprises.ppc.products.hardware.ups.Environment

Name	Description	OID
EnvironTemperature1	Ambient temperature 1	2.1
EnvironHumidity1	Humidity 1	2.2
EnvironTemperature2	Ambient temperature 2	2.3
EnvironHumidity2	Humidity 2	2.4
EnvironTemperature3	Ambient temperature 3	2.5
EnvironHumidity3	Humidity 3	2.6
EnvironTemperature4	Ambient temperature 4	2.7
EnvironHumidity4	Humidity 4	2.8
EnvironTemperature5	Ambient temperature 5	2.9
EnvironHumidity5	Humidity 5	2.10
EnvironTemperature6	Ambient temperature 6	2.11
EnvironHumidity6	Humidity 6	2.12
EnvironTemperature7	Ambient temperature 7	2.13
EnvironHumidity7	Humidity 7	2.14
EnvironTemperature8	Ambient temperature 8	2.15
EnvironHumidity8	Humidity 8	2.16

2.7 Meter Information (AmmeterMsg)

.1.3.6.1.4.1.935.1.1.1.9

iso.org.dod.internet.private.enterprises.ppc.products.hardware.ups.AmmeterMsg

Name	Description	OID
CurrentAmmeterNumbe	Meter ID	2.1
CurrentAmmeterTotalEnergy	Total Energy	2.2

2.8 Tarp Information:

Name	Description	Type	OID
communicationLost	Lost communication with UPS	6	.1.3.6.1.4.1.935.0.1
upsOverLoad	Overload	6	.1.3.6.1.4.1.935.0.2
upsDiagnosticsFailed	Ups self-test failed	6	.1.3.6.1.4.1.935.0.3
upsDischarged	Battery discharge	6	.1.3.6.1.4.1.935.0.4

upsOnBattery	Battery power	6	.1.3.6.1.4.1.935.0.5
boostOn		6	.1.3.6.1.4.1.935.0.6
lowBattery	Low battery voltage	6	.1.3.6.1.4.1.935.0.7
communicationEstablished	Communication with UPS restored	6	.1.3.6.1.4.1.935.0.8
powerRestored	Mains restored	6	.1.3.6.1.4.1.935.0.9
upsDiagnosticsPassed	UPS self-test passed	6	.1.3.6.1.4.1.935.0.10
returnFromLowBattery	Low battery voltage cancel	6	.1.3.6.1.4.1.935.0.11
upsTurnedOff	UPS turn off	6	.1.3.6.1.4.1.935.0.12
upsSleeping	UPS sleep, turn off output	6	.1.3.6.1.4.1.935.0.13
upsWokeUp	UPS wake up, restore output	6	.1.3.6.1.4.1.935.0.14
upsRebootStarted	UPS timing restart	6	.1.3.6.1.4.1.935.0.15
ExtendAlarmCh1	Input switch value 1 alarm	6	.1.3.6.1.4.1.935.0.32
ExtendAlarmCh2	Input switch value 2 alarm	6	.1.3.6.1.4.1.935.0.33
ExtendAlarmCh3	Input switch value 3 alarm	6	.1.3.6.1.4.1.935.0.34
ExtendAlarmCh4	Input switch value 4 alarm	6	.1.3.6.1.4.1.935.0.35
ExtendAlarmCh5	Input switch value 5 alarm	6	.1.3.6.1.4.1.935.0.36
ExtendCancelCh1	Input switching value 1 returns to normal	6	.1.3.6.1.4.1.935.0.42
ExtendCancelCh2	Input switching value 2 returns to normal	6	.1.3.6.1.4.1.935.0.43
ExtendCancelCh3	Input switching value 3 returns to normal	6	.1.3.6.1.4.1.935.0.44
ExtendCancelCh4	Input switching value 4 returns to normal	6	.1.3.6.1.4.1.935.0.45
ExtendCancelCh5	Input switching value 5 returns to normal	6	.1.3.6.1.4.1.935.0.46

MIB for Three Phase UPS

1. MIB library

1.1 MIB node for three phase ups

iso.org.dod.internet.private.enterprises.Junda_mib
.1.3.6.1.4.1.2350

1.2 Three phase ups node

Junda_mib.products.ups3p---2350.1.1

2. UPS node detailed description

2.1 UPS Analog (ups3pAnalog)

.1.3.6.1.4.1.2350.1.1.1

so.org.dod.internet.private.enterprises.Junda_mib.products.ups3p.ups3pAnalog

Name	Description	OID
upsAutoRestarType	UPS autostart type: 0-auto, 100-manually	21
shutdownType	UPS shutdown type: 0-only output, 100-all	22
batCondition	Battery condition: 0-good, 10-bad, 200-replace	23
batStatus	Battery status: 0-good, 100-low voltage, 200-run out	24
batChargeStatus	Battery charging status: 0-float charging, 100-charging, 200-sleeping, 300-discharging	25
estimatedMinutesOnbat	Battery estimated time remaining	26
secondOnBattery	Battery usage time	27
estimatedCharge	Estimated charging time	28
batteryVol	Battery voltage	29
batteryCurrent	Battery current	30
batteryTemperature	Battery temperature	31
inputLineBads	Input bad phase number	32
inputLines	Input phase number	33
inputLine1Fre	Input frequency 1	34
inputLine1Vol	Input voltage 1	35

inputLine1Cur	Input current 1	36
inputLine1Power	Input power 1	37
inputLine2Fre	Input frequency 2	38
inputLine2Vol	Input voltage 2	39
inputLine2Cur	Input current 2	40
inputLine2Power	Input power 2	41
inputLine3Fre	Input frequency 3	42
inputLine3Vol	Input voltage 3	43
inputLine3Cur	Input current 3	44
inputLine3Power	Input power 3	45
outpurSource	Output source: 0-normal, 100-battery, 200-bypass, 300-step-down, 400-improved, 500-others	46
outputFre	Output frequency	47
outputLines	Output phase number	48
outputLine1Vol	Output voltage 1	49
outputLine1Cur	Output current 1	50
outputLine1Power	Output power 1	51
outputLine1Load	Output load 1	52
outputLine2Vol	Output voltage 2	53
outputLine2Cur	Output current 2	54
outputLine2Power	Output power 2	55
outputLine2Load	Output load 2	56
outputLine3Vol	Output voltage 3	57
outputLine3Cur	Output current 3	58
outputLine3Power	Output power 3	59
outputLine3Load	Output load 3	60
bypassFre	Bypass frequency	61
bypassLines	Bypass phase number	62
bypassLine1Vol	Bypass voltage 1	63
bypassLine1Cur	Bypass current 1	64
bypassLine1Power	Bypass power 1	65
bypassLine2Vol	Bypass voltage 2	66
bypassLine2Cur	Bypass current 2	67
bypassLine2Power	Bypass power 2	68

bypassLine3Vol	Bypass voltage 3	69
bypassLine3Cur	Bypass current 3	70
bypassLine3Power	Bypass power 3	71
testResult	Test result: 0-not tested, 100-test passed, 200-testing, 300-general test failure, 400-battery test failure, 500-deep battery test failed	72
outputTotalPower	Total output power	73
batteryCap	Battery capacity	74
ambienTemperature	Ambient temperature	75
modulesNumber	Module ID	76

2.2 UPS Alarm (ups3pSwitch)

.1.3.6.1.4.1.2350.1.1.2

iso.org.dod.internet.private.enterprises.Junda_mib.products.ups3p.ups3pSwitch

Name	Description (0-normal, 1-alarm)	OID
temperatureTooHigh	Overheating	17
inputFault	Input failure	18
outputFault	Output failure	19
OverLoad	Overload	20
bypassFault	Bypass failure	21
outputShutdown	Output shutdown	22
upsShutdown	Shutdown	23
chargeFault	Charging failure	24
systemShutdown	System shutdown	25
fanFault	Fan failure	26
fuseFault	Fuse failure	27
gengeralFault	General failure	28
autoRestart	Auto restart	29
shutdownDelay	Shutdown delay	30
shutdownAtonce	Shutdown immediately	31
upsCommunication	Communicate with UPS	32
batteryFault	Battery failure	33
batteryVolLow	Low battery voltage	34

Bypass	Bypass	35
otherFault	Other failure	36
testInProgress	Testing	37

2.3 UPS control (ups3pControl)

.1.3.6.1.4.1.2350.1.1.3

iso.org.dod.internet.private.enterprises.Junda_mib.products.ups3p.ups3pControl

Name	Description	OID
upsBatteryTest10Seconds	Sending 2, UPS battery test within 10s, nothing else	1
upsBatteryTestToLow	Sending 2, UPS battery test low voltage; cancel battery test when sending 3.	2

2.4 UPS Information (ups3pStrInfo)

.1.3.6.1.4.1.2350.1.1.4

iso.org.dod.internet.private.enterprises.Junda_mib.products.ups3p.ups3pStrInfo

Name	Description	OID
upsManufacturer	UPS Manufacturer	1
upsModel	UPS Mode	2
upsVersion	UPS Version	3
upsRateInputVol	UPS Rated Input Voltage	4
upsRateCurrent	UPS Rated Current	5
upsRateBatVol	UPS Rated Battery Voltage	6
upsRateFre	UPS Rated Frequency	7

2.5 Ambient temperature and humidity (EnvironmentStatus)

.1.3.6.1.4.1.2350.1.1.5

iso.org.dod.internet.private.enterprises.Junda_mib.products.ups3p.EnvironmentStatus

Name	Description	OID
EnvironTemperature1	Ambient temperature 1	5.1
EnvironHumidity1	Humidity 1	5.2

EnvironTemperature2	Ambient temperature 2	5.3
EnvironHumidity2	Humidity 2	5.4
EnvironTemperature3	Ambient temperature 3	5.5
EnvironHumidity3	Humidity 3	5.6
EnvironTemperature4	Ambient temperature 4	5.7
EnvironHumidity4	Humidity 4	5.8
EnvironTemperature5	Ambient temperature 5	5.9
EnvironHumidity5	Humidity 5	5.10
EnvironTemperature6	Ambient temperature 6	5.11
EnvironHumidity6	Humidity 6	5.12
EnvironTemperature7	Ambient temperature 7	5.13
EnvironHumidity7	Humidity 7	5.14
EnvironTemperature8	Ambient temperature 8	5.15
EnvironHumidity8	Humidity 8	5.16

2.6 Extended IO information (ExtendSwitchStatus)

.1.3.6.1.4.1.2350.1.1.6

iso.org.dod.internet.private.enterprises.Junda_mib.products.ups3p.ExtendSwitchStatus

Name	Description	OID
ExtendSwitch1	Extended switch 1: 1-alarm, 0- normal	6.1
ExtendSwitch2	Extended switch 2: 1-alarm, 0- normal	6.2
ExtendSwitch3	Extended switch 3: 1-alarm, 0- normal	6.3
ExtendSwitch4	Extended switch 4: 1-alarm, 0- normal	6.4
ExtendSwitch5	Extended switch 5: 1-alarm, 0- normal	6.5
ExtendSwitch6	Extended switch 6: 1-alarm, 0- normal	6.6
ExtendSwitch7	Extended switch 7: 1-alarm, 0- normal	6.7
ExtendSwitch8	Extended switch 8: 1-alarm, 0- normal	6.8
ExtendSwitch9	Extended switch 9: 1-alarm, 0- normal	6.9
ExtendSwitch10	Extended switch 10: 1-alarm, 0- normal	6.10
ExtendSwitch11	Extended switch 11: 1-alarm, 0- normal	6.11
ExtendSwitch12	Extended switch 12: 1-alarm, 0- normal	6.12
ExtendSwitch13	Extended switch 13: 1-alarm, 0- normal	6.13
ExtendSwitch14	Extended switch 14: 1-alarm, 0- normal	6.14
ExtendSwitch15	Extended switch 15: 1-alarm, 0- normal	6.15

2.7 Extended output control information (ExtendOutputControl)

.1.3.6.1.4.1.2350.1.1.7

iso.org.dod.internet.private.enterprises.Junda_mib.products.ups3p.ExtendOutputControl

Name	Description	OID
ExtendOutputCh1	Extended switch control 1: 1-closed, 0-open	7.1
ExtendOutputCh2	Extended switch control 2: 1-closed, 0-open	7.2
ExtendOutputCh3	Extended switch control 3: 1-closed, 0-open	7.3
ExtendOutputCh4	Extended switch control 4: 1-closed, 0-open	7.4
ExtendOutputCh5	Extended switch control 5: 1-closed, 0-open	7.5
ExtendOutputCh6	Extended switch control 6: 1-closed, 0-open	7.6

2.8 Trap Information:

Name	Description	Type	OID
communicationLost	Lost communication with UPS	6	.1.3.6.1.4.2350.0.1
inputFault	Input failure	6	.1.3.6.1.4.2350.0.2
upsOverLoad	Overload	6	.1.3.6.1.4.2350.0.3
upsShutDown	UPS shutdown	6	.1.3.6.1.4.2350.0.4
batteryFailure	Battery failure	6	.1.3.6.1.4.2350.0.5
lowBattery	Low battery voltage	6	.1.3.6.1.4.2350.0.6
BypassOutput	Bypass output	6	.1.3.6.1.4.2350.0.7
communicationEstablished	Communication with UPS restored	6	.1.3.6.1.4.2350.0.8
inputNormal	Input normal	6	.1.3.6.1.4.2350.0.9
overloadCancel	Overload cancel	6	.1.3.6.1.4.2350.0.10
upsBoot	UPS turn on	6	.1.3.6.1.4.2350.0.11
batteryNormal	Battery normal	6	.1.3.6.1.4.2350.0.12
lowBatteryCancel	Low battery voltage alarm cancel	6	.1.3.6.1.4.2350.0.13
upsInverterOutput	Inverted output	6	.1.3.6.1.4.2350.0.14
ExtendAlarmCh1	Input switch value 1 alarm	6	.1.3.6.1.4.2350.0.32
ExtendAlarmCh2	Input switch value 2 alarm	6	.1.3.6.1.4.2350.0.33
ExtendAlarmCh3	Input switch value 3 alarm	6	.1.3.6.1.4.2350.0.34
ExtendAlarmCh4	Input switch value 4 alarm	6	.1.3.6.1.4.2350.0.35
ExtendAlarmCh5	Input switch value 5 alarm	6	.1.3.6.1.4.2350.0.36

ExtendCancelCh1	Input switching returns to normal	value 1	6	.1.3.6.1.4.2350.0.42
ExtendCancelCh2	Input switching returns to normal	value 2	6	.1.3.6.1.4.2350.0.43
ExtendCancelCh3	Input switching returns to normal	value 3	6	.1.3.6.1.4.2350.0.44
ExtendCancelCh4	Input switching returns to normal	value 4	6	.1.3.6.1.4.2350.0.45
ExtendCancelCh5	Input switching returns to normal	value 5	6	.1.3.6.1.4.2350.0.46