

## Junda Technology MIB Library

### Brief explanation

Submission date	Version	Revision description	Author
2022.03.03	R1751	1、 6 Environmental temperature and humidity 2、 8 Trap information 3、 5 Environmental temperature and humidity information	Ye

## Directory

a. The overall structure of MIB library.....	3
1.The MIB node number for single-phase UPS data is : .....	3
2.The single-phase UPS data node is : .....	3
b. Detailed description of each parameter under the UPS node.....	3
1.UPS basic information(upsIdent).....	3
2.UPS battery information(upsBattery).....	3
3.UPS input information ( upsInput ) .....	4
4.UPS output information ( upsOutput ) .....	4
5.UPS testing ( upsTest ) .....	4
6.Environmental temperature and humidity ( Environment ) .....	5
7.Electricity meter information ( AmmeterMsg ) .....	7
8.Tarp Information.....	8
C. The overall structure of MIB library.....	14
1.The MIB node number for three-phase UPS data is : .....	14
.The MIB node for three-phase UPS data is : .....	14
d.Detailed description of each parameter under the ups3p node.....	14
1.UPS analog quantity ( ups3pAnalog ) .....	14
2.UPS alarm volume ( ups3pSwitch ) .....	16
3.UPS Control ( ups3pControl ) .....	17
4.UPS information ( ups3pStrInfo ) .....	17
5.Environmental temperature and humidity information ( EnvironmentStatus ) .....	18
6.Expand IO information ( ExtendSwitchStatus ) .....	20
7.Extended output control information ( ExtendOutputControl ) .....	21
8.Trap information.....	22



Attachment: Choose single-phase mib library (UPS-IPGaurd. MIB) or three-phase mib library (ups3p. MIB) based on the UPS used

## Single phase MIB

### a. The overall structure of MIB library

#### 1.The MIB node number for single-phase UPS data is :

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

.1.3.6.1.4.1.935

#### 2.The single-phase UPS data node is :

ppc.Prouducts.hardware.ups---935.1.1.1

### b. Detailed description of each parameter under the UPS node

#### 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	Describe	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.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	Describe	OID
upsBaseBatteryStatus	Battery status : 2 is normal, 3 is battery low voltage	1.1
upsSmartBatteryCapacity	Battery capacity	2.1
upsSmartBatteryVoltage	Battery voltage	2.2
upsSmartBatteryTemperature	Battery temperature	2.3
upsSmartBatteryCurrent	Battery current	2.7

### 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	Describe	OID
upsBaseInputPhase	Input phase number	1.1
upsSmartInputLineVoltage	Input voltage	2.1
upsSmartInputMaxLineVoltage	Input maximum voltage	2.2
upsSmartInputMinLineVoltage	Input minimum voltage	2.3
upsSmartInputFrequency	Input frequency	2.4

### 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	Describe	OID
upsBaseOutputPhase	Output phase number	1.2
upsSmartOutputVoltage	Output voltage	2.1
upsSmartOutputFrequency	Frequency	2.2
upsSmartOutputLoad	Output Load	2.3
upsSmartOutputMaxLineVoltage	Maximum output voltage	2.4
upsSmartOutputMinLineVoltage	Output minimum voltage	2.5

### 5.UPS testing ( upsTest )

.1.3.6.1.4.1.935.1.1.1.7

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

Name	Describe	OID
upsSmartBootControl	1 Power on, 2 Power off (all other numbers are invalid)	2.1
upsSmartTestDiagnostics	1 not tested, 2 tested for 10 seconds (all other numbers are invalid)	2.2
upsSmartTestDiagnosticsResults	Test results; 1 normal, 2 failed, 3 test invalid, 4 test in progress	2.3

upsSmartSpeakerControl	2. Buzzer on, 3. Buzzer off (all other numbers are invalid)	2.5
upsSmartTestRuntimeCalibration	1 Not tested, 2 tested for low battery voltage, 3 canceled testing for low battery voltage	2.6
upsSmartTestCalibrationResults	Calibration results; 1 Normal, 2 Test Invalid, 3 Test In Progress	2.7
upsSmartUPSCancelShutdown	1. Cancel UPS shutdown command (other numbers are invalid)	2.9
upsSmartUPSShutAfterXsecond	Set the number x to turn off the UPS after x seconds	2.10
upsSmartUPSShutAfterXRebootAfterX	(The set type of this node is character type) Set the character x-x to turn off UPS after x seconds, and then turn on UPS again after x seconds	2.11

## 6.Environmental 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	Describe	OID
EnvironTemperature1	Environmental temperature 1	2.1
EnvironHumidity1	Environmental humidity 1	2.2
EnvironTemperature2	Environmental temperature 2	2.3
EnvironHumidity2	Environmental humidity 2	2.4
EnvironTemperature3	Environmental temperature 3	2.5
EnvironHumidity3	Environmental humidity 3	2.6
EnvironTemperature4	Environmental temperature 4	2.7
EnvironHumidity4	Environmental humidity 4	2.8
EnvironTemperature5	Environmental temperature 5	2.9
EnvironHumidity5	Environmental humidity 5	2.10
EnvironTemperature6	Environmental temperature 6	2.11
EnvironHumidity6	Environmental humidity 6	2.12
EnvironTemperature7	Environmental temperature 7	2.13

EnvironHumidity7	Environmental humidity 7	2.14
EnvironTemperature8	Environmental temperature 8	2.15
EnvironHumidity8	Environmental humidity 8	2.16
EnvironTemperatureHumidityOnlineStatus1	Environmental temperature and humidity online status 1 (0 online, 1 disconnected, 2 unknown)	2.17
EnvironTemperatureHumidityOnlineStatus2	Environmental temperature and humidity online status 2 (as above)	2.18
EnvironTemperatureHumidityOnlineStatus3	Environmental temperature and humidity online status 3 (as above)	2.19
EnvironTemperatureHumidityOnlineStatus4	Environmental temperature and humidity online status 4 (as above)	2.20
EnvironTemperatureHumidityOnlineStatus5	Environmental temperature and humidity online status 5 (as above)	2.21
EnvironTemperatureHumidityOnlineStatus6	Environmental temperature and humidity online status 6 (as above)	2.22
EnvironTemperatureHumidityOnlineStatus7	Environmental temperature and humidity online status 7 (as above)	2.23
EnvironTemperatureHumidityOnlineStatus8	Environmental temperature and humidity online status 8 (as above)	2.24
EnvironTemperatureAlarmStatus1	Environmental temperature alarm status 1	2.25
EnvironHumidityAlarmStatus1	Environmental humidity alarm status 1	2.26
EnvironTemperatureAlarmStatus2	Environmental temperature	2.27

	alarm status 2	
EnvironHumidityAlarmStatus2	Environmental humidity alarm status2	2.28
EnvironTemperatureAlarmStatus3	Environmental temperature alarm status 3	2.29
EnvironHumidityAlarmStatus3	Environmental humidity alarm status 3	2.30
EnvironTemperatureAlarmStatus4	Environmental temperature alarm status 4	2.31
EnvironHumidityAlarmStatus4	Environmental humidity alarm status 4	2.32
EnvironTemperatureAlarmStatus5	Environmental temperature alarm status 5	2.33
EnvironHumidityAlarmStatus5	Environmental humidity alarm status 5	2.34
EnvironTemperatureAlarmStatus6	Environmental temperature alarm status 6	2.35
EnvironHumidityAlarmStatus6	Environmental humidity alarm status 6	2.36
EnvironTemperatureAlarmStatus7	Environmental temperature alarm status 7	2.37
EnvironHumidityAlarmStatus7	Environmental humidity alarm status 7	2.38
EnvironTemperatureAlarmStatus8	Environmental temperature alarm status 8	2.39
EnvironHumidityAlarmStatus8	Environmental humidity alarm status 8	2.40

## 7.Electricity 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	Describe	OID
------	----------	-----

CurrentAmmeterNumbe	Electricity meter number	2.1
CurrentAmmeterTotalEnergy	Total electricity consumption	2.2

## 8.Tarp Information

Name	Describe	Type	OID
communicationLost	Communication interruption with UPS	6	.1.3.6.1.4.1.935.0.0
upsTest	UPS testing in progress	6	.1.3.6.1.4.1.935.0.3
upsInputFault	UPS mains power outage	6	.1.3.6.1.4.1.935.0.5
upsBypassOutput	Battery bypass output	6	.1.3.6.1.4.1.935.0.6
upsBatteryLow	Low battery voltage	6	.1.3.6.1.4.1.935.0.7
upsFailure	UPS fault	6	.1.3.6.1.4.1.935.0.8
communicationEstablished	Recovery of communication with UPS	6	.1.3.6.1.4.1.935.0.9
upsTestCancel	UPS test canceled	6	.1.3.6.1.4.1.935.0.12
upsInputFaultCancel	UPS mains power outage recovery	6	.1.3.6.1.4.1.935.0.14
upsBypassOutputCancel	UPS bypass output recovery	6	.1.3.6.1.4.1.935.0.15
upsBatteryLowCancel	Cancel low battery voltage	6	.1.3.6.1.4.1.935.0.16
upsFailureCancel	UPS fault recovery	6	.1.3.6.1.4.1.935.0.17
ExtendAlarmCh1	Input switch quantity 1 alarm	6	.1.3.6.1.4.1.935.0.18
ExtendAlarmCh2	Input switch quantity 2 alarm	6	.1.3.6.1.4.1.935.0.19
ExtendAlarmCh3	Input switch quantity 3 alarm	6	.1.3.6.1.4.1.935.0.20
ExtendAlarmCh4	Input switch quantity 4 alarm	6	.1.3.6.1.4.1.935.0.21
ExtendAlarmCh5	Input switch quantity 5 alarm	6	.1.3.6.1.4.1.935.0.22
ExtendAlarmCh6	Input switch quantity 6 alarm	6	.1.3.6.1.4.1.935.0.23
ExtendAlarmCh7	Input switch quantity 7 alarm	6	.1.3.6.1.4.1.935.0.24
ExtendAlarmCh8	Input switch quantity 8 alarm	6	.1.3.6.1.4.1.935.0.25
ExtendAlarmCh9	Input switch quantity 9 alarm	6	.1.3.6.1.4.1.935.0.26
ExtendAlarmCh10	Input switch quantity 10 alarm	6	.1.3.6.1.4.1.935.0.27



ExtendAlarmCh11	Input switch quantity 11 alarm	6	.1.3.6.1.4.1.935.0.28
ExtendAlarmCh12	Input switch quantity 12 alarm	6	.1.3.6.1.4.1.935.0.29
ExtendAlarmCh13	Input switch quantity 13 alarm	6	.1.3.6.1.4.1.935.0.30
ExtendAlarmCh14	Input switch quantity 14 alarm	6	.1.3.6.1.4.1.935.0.31
ExtendAlarmCh15	Input switch quantity 15 alarm	6	.1.3.6.1.4.1.935.0.32
ExtendCancelCh1	Input switch quantity 1 returns to normal	6	.1.3.6.1.4.1.935.0.33
ExtendCancelCh2	Input switch quantity 2 returns to normal	6	.1.3.6.1.4.1.935.0.34
ExtendCancelCh3	Input switch quantity 3 returns to normal	6	.1.3.6.1.4.1.935.0.35
ExtendCancelCh4	Input switch quantity 4 returns to normal	6	.1.3.6.1.4.1.935.0.36
ExtendCancelCh5	Input switch quantity 5 returns to normal	6	.1.3.6.1.4.1.935.0.37
ExtendCancelCh6	Input switch quantity 6 returns to normal	6	.1.3.6.1.4.1.935.0.38
ExtendCancelCh7	Input switch quantity 7 returns to normal	6	.1.3.6.1.4.1.935.0.39
ExtendCancelCh8	Input switch quantity 8 returns to normal	6	.1.3.6.1.4.1.935.0.40
ExtendCancelCh9	Input switch quantity 9 returns to normal	6	.1.3.6.1.4.1.935.0.41
ExtendCancelCh10	Input switch quantity 10 returns to normal	6	.1.3.6.1.4.1.935.0.42
ExtendCancelCh11	Input switch quantity 11 returns to normal	6	.1.3.6.1.4.1.935.0.43
ExtendCancelCh12	Input switch quantity 12 returns to normal	6	.1.3.6.1.4.1.935.0.44
ExtendCancelCh13	Input switch quantity 13 returns to normal	6	.1.3.6.1.4.1.935.0.45
ExtendCancelCh14	Input switch quantity 14 returns to normal	6	.1.3.6.1.4.1.935.0.46

ExtendCancelCh15	Input switch quantity 15 returns to normal	6	.1.3.6.1.4.1.935.0.47
TemperatureHumidityOffline1	Temperature and humidity 1 disconnection	6	.1.3.6.1.4.1.935.0.48
TemperatureHumidityOffline2	Temperature and humidity 2 disconnection	6	.1.3.6.1.4.1.935.0.49
TemperatureHumidityOffline3	Temperature and humidity 3 disconnection	6	.1.3.6.1.4.1.935.0.50
TemperatureHumidityOffline4	Temperature and humidity 4 disconnection	6	.1.3.6.1.4.1.935.0.51
TemperatureHumidityOffline5	Temperature and humidity 5 disconnection	6	.1.3.6.1.4.1.935.0.52
TemperatureHumidityOffline6	Temperature and humidity 6 disconnection	6	.1.3.6.1.4.1.935.0.53
TemperatureHumidityOffline7	Temperature and humidity 7 disconnection	6	.1.3.6.1.4.1.935.0.54
TemperatureHumidityOffline8	Temperature and humidity 8 disconnection	6	.1.3.6.1.4.1.935.0.55
TemperatureUpperLimit1	Temperature 1 upper limit alarm	6	.1.3.6.1.4.1.935.0.56
TemperatureUpperLimit2	Temperature 2 upper limit alarm	6	.1.3.6.1.4.1.935.0.57
TemperatureUpperLimit3	Temperature 3 upper limit alarm	6	.1.3.6.1.4.1.935.0.58
TemperatureUpperLimit4	Temperature 4 upper limit alarm	6	.1.3.6.1.4.1.935.0.59
TemperatureUpperLimit5	Temperature 5 upper limit alarm	6	.1.3.6.1.4.1.935.0.60
TemperatureUpperLimit6	Temperature 6 upper limit alarm	6	.1.3.6.1.4.1.935.0.61
TemperatureUpperLimit7	Temperature 7 upper limit alarm	6	.1.3.6.1.4.1.935.0.62
TemperatureUpperLimit8	Temperature 8 upper limit alarm	6	.1.3.6.1.4.1.935.0.63

Limit8			
TemperatureLower Limit1	Temperature 1 lower limit alarm	6	.1.3.6.1.4.1.935.0.64
TemperatureLower Limit2	Temperature 2 lower limit alarm	6	.1.3.6.1.4.1.935.0.65
TemperatureLower Limit3	Temperature 3 lower limit alarm	6	.1.3.6.1.4.1.935.0.66
TemperatureLower Limit4	Temperature 4 lower limit alarm	6	.1.3.6.1.4.1.935.0.67
TemperatureLower Limit5	Temperature 5 lower limit alarm	6	.1.3.6.1.4.1.935.0.68
TemperatureLower Limit6	Temperature 6 lower limit alarm	6	.1.3.6.1.4.1.935.0.69
TemperatureLower Limit7	Temperature 7 lower limit alarm	6	.1.3.6.1.4.1.935.0.70
TemperatureLower Limit8	Temperature 8 lower limit alarm	6	.1.3.6.1.4.1.935.0.71
HumidityUpperLim it1	Humidity 1 upper limit alarm	6	.1.3.6.1.4.1.935.0.72
HumidityUpperLim it2	Humidity 2 upper limit alarm	6	.1.3.6.1.4.1.935.0.73
HumidityUpperLim it3	Humidity 3 upper limit alarm	6	.1.3.6.1.4.1.935.0.74
HumidityUpperLim it4	Humidity 4 upper limit alarm	6	.1.3.6.1.4.1.935.0.75
HumidityUpperLim it5	Humidity 5 upper limit alarm	6	.1.3.6.1.4.1.935.0.76
HumidityUpperLim it6	Humidity 6 upper limit alarm	6	.1.3.6.1.4.1.935.0.77
HumidityUpperLim it7	Humidity 7 upper limit alarm	6	.1.3.6.1.4.1.935.0.78
HumidityUpperLim it8	Humidity 8 upper limit alarm	6	.1.3.6.1.4.1.935.0.79

HumidityLowerLimit1	Humidity 1 lower limit alarm	6	.1.3.6.1.4.1.935.0.80
HumidityLowerLimit2	Humidity 2 lower limit alarm	6	.1.3.6.1.4.1.935.0.81
HumidityLowerLimit3	Humidity 3 lower limit alarm	6	.1.3.6.1.4.1.935.0.82
HumidityLowerLimit4	Humidity 4 lower limit alarm	6	.1.3.6.1.4.1.935.0.83
HumidityLowerLimit5	Humidity 5 lower limit alarm	6	.1.3.6.1.4.1.935.0.84
HumidityLowerLimit6	Humidity 6 lower limit alarm	6	.1.3.6.1.4.1.935.0.85
HumidityLowerLimit7	Humidity 7 lower limit alarm	6	.1.3.6.1.4.1.935.0.86
HumidityLowerLimit8	Humidity 8 lower limit alarm	6	.1.3.6.1.4.1.935.0.87
TemperatureHumidityOnline1	Temperature and humidity 1 online	6	.1.3.6.1.4.1.935.0.88
TemperatureHumidityOnline2	Temperature and humidity 2 online	6	.1.3.6.1.4.1.935.0.89
TemperatureHumidityOnline3	Temperature and humidity 3 online	6	.1.3.6.1.4.1.935.0.90
TemperatureHumidityOnline4	Temperature and humidity 4 online	6	.1.3.6.1.4.1.935.0.91
TemperatureHumidityOnline5	Temperature and humidity 5 online	6	.1.3.6.1.4.1.935.0.92
TemperatureHumidityOnline6	Temperature and humidity 6 online	6	.1.3.6.1.4.1.935.0.93
TemperatureHumidityOnline7	Temperature and humidity 7 online	6	.1.3.6.1.4.1.935.0.94
TemperatureHumidityOnline8	Temperature and humidity 8 online	6	.1.3.6.1.4.1.935.0.95
TemperatureNormal	Temperature 1 is normal	6	.1.3.6.1.4.1.935.0.96

al1			
TemperatureNormal2	Temperature 2 is normal	6	.1.3.6.1.4.1.935.0.97
TemperatureNormal3	Temperature 3 is normal	6	.1.3.6.1.4.1.935.0.98
TemperatureNormal4	Temperature 4 is normal	6	.1.3.6.1.4.1.935.0.99
TemperatureNormal5	Temperature 5 is normal	6	.1.3.6.1.4.1.935.0.100
TemperatureNormal6	Temperature 6 is normal	6	.1.3.6.1.4.1.935.0.101
TemperatureNormal7	Temperature 7 is normal	6	.1.3.6.1.4.1.935.0.102
TemperatureNormal8	Temperature 8 is normal	6	.1.3.6.1.4.1.935.0.103
HumidityNormal1	Humidity 1 normal	6	.1.3.6.1.4.1.935.0.104
HumidityNormal2	Humidity 2 normal	6	.1.3.6.1.4.1.935.0.105
HumidityNormal3	Humidity 3 normal	6	.1.3.6.1.4.1.935.0.106
HumidityNormal4	Humidity 4 normal	6	.1.3.6.1.4.1.935.0.107
HumidityNormal5	Humidity 5 normal	6	.1.3.6.1.4.1.935.0.108
HumidityNormal6	Humidity 6 normal	6	.1.3.6.1.4.1.935.0.109
HumidityNormal7	Humidity 7 normal	6	.1.3.6.1.4.1.935.0.110
HumidityNormal8	Humidity 8 normal	6	.1.3.6.1.4.1.935.0.111

## Three phase MIB

### C. The overall structure of MIB library

#### 1.The MIB node number for three-phase UPS data is :

iso.org.dod.internet.private.enterprises.Junda\_mib

.1.3.6.1.4.1.2350

#### .The MIB node for three-phase UPS data is :

Junda\_mib.products.ups3p---2350.1.1

### d.Detailed description of each parameter under the ups3p node

#### 1.UPS analog quantity ( ups3pAnalog )

##### .1.3.6.1.4.1.2350.1.1.1

so.org.dod.internet.private.enterprises.Junda\_mib.products.ups3p.ups3pAnalog

Name	Describe	OID
upsAutoRestarType	UPS automatic start type; 0 is automatic, 100 is manual	21
shutdownType	UPS shutdown type; 0 for output only, 100 for all	22
batCondition	Battery condition: 0 is good, 100 is defective, and 200 is replacement	23
batStatus	Battery status: 0 indicates good, 100 indicates low voltage, and 200 indicates depleted	24
batChargeStatus	Battery charging status:0 represents float charging, 100 represents charging, 200 represents sleep, and 300 represents discharge	25
estimatedMinutesOnbat	Estimated remaining time of battery	26
secondOnBattery	Battery life	27
estimatedCharge	Estimated charging time	28
batteryVol	Battery voltage	29
batteryCurrent	Battery current	30
batteryTemperature	Battery temperature	31
inputLineBads	Input the number of faulty phases	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 is normal, 100 is battery, 200 is bypass, 300 is decrease, 400 is increase, and 500 is other	46
outputFre	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
outputLine3Cur	Output power 3	59
outputLine3Load	Output load 3	60
bypassFre	Bypass frequency	61
bypassLines	Number of bypass phases	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 results: 0 is untested, 100 is passed, 200 is in progress, 300 is a general test failure, 400 is a battery test failure, and 500 is a deep battery test failure	72
outputTotalPower	Total output power	73
batteryCap	Battery capacity	74
ambienTemperature	Ambient temperature	75
modulesNumber	Module number	76

## 2.UPS alarm volume ( 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 is normal, 1 is alarm)	OID
temperatureTooHigh	Over Temperature	17
inputFault	Input fault	18
outputFault	Output fault	19
OverLoad	overload	20
bypassFault	Bypass fault	21
outputShutdown	Output off	22
upsShutdown	Shutdown	23
chargeFault	Charging fault	24
systemShutdown	System shutdown	25
fanFault	Fan failure	26
fuseFault	Melting wire fault	27
gengeralFault	General faults	28





autoRestart	Automatic restart	29
shutdownDelay	Shutdown delay	30
shutdownAtonce	Immediately shut down	31
upsCommunication	Communication with UPS	32
batteryFault	Battery failure	33
batteryVolLow	Low battery voltage	34
Bypass	Bypass	35
otherFault	Other faults	36
testInProgress	During testing	37

### 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	Describe	OID
upsBatteryBootControl	When sending 1, the UPS is turned on, when sending 2, the UPS is turned off, and everything else is invalid	1.0
upsBatteryTest10Seconds	Send 2 UPS battery tests for 10 seconds; Other content is invalid	2.0
upsSpeakerControl	When sending 2, the buzzer is on, and when sending 3, the buzzer is off; Other invalid	5.0
upsBatteryTestToLow	Send 2: UPS test to low voltage Send 3: Cancel battery test; Other invalid	6.0
upsCancelShutdown	1: Cancel the UPS shutdown command; Other invalid	9.0
upsShutAfterXsecond	Set the number x to turn off the UPS after x seconds	10.0
upsShutAfterXRebootAfterX	(The set type of this node is character type) Set the character x-x to turn off UPS after x seconds, and then turn on UPS again after x seconds	11.0

### 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	Describe	OID
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upsManufacturer	UPS manufacturer	1
upsModel	UPS model	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

## 5.Environmental temperature and humidity information ( EnvironmentStatus )

### .1.3.6.1.4.1.2350.1.1.5

iso.org.dod.internet.private.enterprises.Junda\_mib.products.ups3p.EnvironmentStatus

Name	Describe	OID
EnvironTemperature1	Environmental temperature 1	5.1
EnvironHumidity1	Environmental humidity 1	5.2
EnvironTemperature2	Environmental temperature 2	5.3
EnvironHumidity2	Environmental humidity 2	5.4
EnvironTemperature3	Environmental temperature 3	5.5
EnvironHumidity3	Environmental humidity 3	5.6
EnvironTemperature4	Environmental temperature 4	5.7
EnvironHumidity4	Environmental humidity 4	5.8
EnvironTemperature5	Environmental temperature 5	5.9
EnvironHumidity5	Environmental humidity 5	5.10
EnvironTemperature6	Environmental temperature 6	5.11
EnvironHumidity6	Environmental humidity 6	5.12
EnvironTemperature7	Environmental temperature 7	5.13
EnvironHumidity7	Environmental humidity 7	5.14
EnvironTemperature8	Environmental temperature 8	5.15
EnvironHumidity8	Environmental humidity 8	5.16
EnvironTemperatureHumidityOnlineStatus1	Environmental temperature and humidity online status 1 (0 online, 1 disconnected, 2	5.17

	unknown)	
EnvironTemperatureHumidityOnlineStatus2	Environmental temperature and humidity online status 2 (as above)	5.18
EnvironTemperatureHumidityOnlineStatus3	Environmental temperature and humidity online status 3 (as above)	5.19
EnvironTemperatureHumidityOnlineStatus4	Environmental temperature and humidity online status 4 (as above)	5.20
EnvironTemperatureHumidityOnlineStatus5	Environmental temperature and humidity online status 5 (as above)	5.21
EnvironTemperatureHumidityOnlineStatus6	Environmental temperature and humidity online status 6 (as above)	5.22
EnvironTemperatureHumidityOnlineStatus7	Environmental temperature and humidity online status 7 (as above)	5.23
EnvironTemperatureHumidityOnlineStatus8	Environmental temperature and humidity online status 8 (as above)	5.24
EnvironTemperatureAlarmStatus1	Environmental temperature 1 alarm status	5.25
EnvironHumidityAlarmStatus1	Environmental humidity 1 alarm status	5.26
EnvironTemperatureAlarmStatus2	Environmental temperature 2 alarm status	5.27
EnvironHumidityAlarmStatus2	Environmental humidity 2 alarm status	5.28
EnvironTemperatureAlarmStatus3	Environmental temperature 3 alarm status	5.29
EnvironHumidityAlarmStatus3	Environmental humidity 3 alarm status	5.30
EnvironTemperatureAlarmStatus4	Environmental temperature 4 alarm status	5.31
EnvironHumidityAlarmStatus4	Environmental humidity 4 alarm status	5.32
EnvironTemperatureAlarmStatus5	Environmental temperature 5 alarm status	5.33

EnvironHumidityAlarmStatus5	Environmental humidity 5 alarm status	5.34
EnvironTemperatureAlarmStatus6	Environmental temperature 6 alarm status	5.35
EnvironHumidityAlarmStatus6	Environmental humidity 6 alarm status	5.36
EnvironTemperatureAlarmStatus7	Environmental temperature 7 alarm status	5.37
EnvironHumidityAlarmStatus7	Environmental humidity 7 alarm status	5.38
EnvironTemperatureAlarmStatus8	Environmental temperature 8 alarm status	5.39
EnvironHumidityAlarmStatus8	Environmental humidity 8 alarm status	5.40

## 6. Expand IO information ( ExtendSwitchStatus )

### .1.3.6.1.4.1.2350.1.1.6

iso.org.dod.internet.private.enterprises.Junda\_mib.products.ups3p.ExtendSwitchStatus

**Note:** Only devices with external IO expansion function in hardware are effective; For example, PRO cards have 5 switch inputs; The rack mounted series has 15 switch inputs;

Name	Describe	OID
ExtendSwitch1	Expand the switch quantity to 1:1 as an alarm; 0 is normal	6.1
ExtendSwitch2	Expand the switch quantity to 2:1 as an alarm; 0 is normal	6.2
ExtendSwitch3	Expand the switch quantity to 3:1 as an alarm; 0 is normal	6.3
ExtendSwitch4	Expand the switch quantity to 4:1 as an alarm; 0 is normal	6.4
ExtendSwitch5	Expand the switch quantity to 5:1 as an alarm; 0 is normal	6.5

ExtendSwitch6	Expand the switch quantity to 6:1 as an alarm; 0 is normal	6.6
ExtendSwitch7	Expand the switch quantity to 7:1 as an alarm; 0 is normal	6.7
ExtendSwitch8	Expand the switch quantity to 8:1 as an alarm; 0 is normal	6.8
ExtendSwitch9	Expand the switch quantity to 9:1 as an alarm; 0 is normal	6.9
ExtendSwitch10	Expand the switch quantity to 10:1 as an alarm; 0 is normal	6.10
ExtendSwitch11	Expand the switch quantity to 11:1 as an alarm; 0 is normal	6.11
ExtendSwitch12	Expand the switch quantity to 12:1 as an alarm; 0 is normal	6.12
ExtendSwitch13	Expand the switch quantity to 13:1 as an alarm; 0 is normal	6.13
ExtendSwitch14	Expand the switch quantity to 14:1 as an alarm; 0 is normal	6.14
ExtendSwitch15	Expand the switch quantity to 15:1 as an alarm; 0 is normal	6.15

## 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

**Note:** Only devices with external extended output control function in hardware are effective; For example, PRO cards have three switch output controls; The rack type series has 6 switch output controls;

Name	Describe	OID
ExtendOutputCh1	Expansion switch control 1:1 is normally closed; 0 is normally open	7.1
ExtendOutputCh2	Expansion switch control 2:1 is normally closed; 0 is normally open	7.2

ExtendOutputCh3	Expansion switch control 3:1 is normally closed; 0 is normally open	7.3
ExtendOutputCh4	Expansion switch control 4:1 is normally closed; 0 is normally open	7.4
ExtendOutputCh5	Expansion switch control 5:1 is normally closed; 0 is normally open	7.5
ExtendOutputCh6	Expansion switch control 6:1 is normally closed; 0 is normally open	7.6

## 8. Trap information

Name	Describe	类型	OID
communicationLost	Interruption of communication	6	.1.3.6.1.4.2350.0.1
inputFault	Input fault	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 is normal	6	.1.3.6.1.4.2350.0.8
inputNormal	Input is normal	6	.1.3.6.1.4.2350.0.9
overloadCancel	Overload cancellation	6	.1.3.6.1.4.2350.0.10
upsBoot	UPS power on	6	.1.3.6.1.4.2350.0.11
batteryNormal	Battery is normal	6	.1.3.6.1.4.2350.0.12
lowBatteryCancel	Cancel low battery voltage alarm	6	.1.3.6.1.4.2350.0.13
upsInverterOutput	Inverted output	6	.1.3.6.1.4.2350.0.14
ExtendAlarmCh1	Input switch quantity 1 alarm	6	.1.3.6.1.4.2350.0.15
ExtendAlarmCh2	Input switch quantity 2 alarm	6	.1.3.6.1.4.2350.0.16
ExtendAlarmCh3	Input switch quantity 3 alarm	6	.1.3.6.1.4.2350.0.17
ExtendAlarmCh4	Input switch quantity 4 alarm	6	.1.3.6.1.4.2350.0.18

ExtendAlarmCh5	Input switch quantity 5 alarm	6	.1.3.6.1.4.2350.0.19
ExtendAlarmCh6	Input switch quantity 6 alarm	6	.1.3.6.1.4.2350.0.20
ExtendAlarmCh7	Input switch quantity 7 alarm	6	.1.3.6.1.4.2350.0.21
ExtendAlarmCh8	Input switch quantity 8 alarm	6	.1.3.6.1.4.2350.0.22
ExtendAlarmCh9	Input switch quantity 9 alarm	6	.1.3.6.1.4.2350.0.23
ExtendAlarmCh10	Input switch quantity 10 alarm	6	.1.3.6.1.4.2350.0.24
ExtendAlarmCh11	Input switch quantity 11 alarm	6	.1.3.6.1.4.2350.0.25
ExtendAlarmCh12	Input switch quantity 12 alarm	6	.1.3.6.1.4.2350.0.26
ExtendAlarmCh13	Input switch quantity 13 alarm	6	.1.3.6.1.4.2350.0.27
ExtendAlarmCh14	Input switch quantity 14 alarm	6	.1.3.6.1.4.2350.0.28
ExtendAlarmCh15	Input switch quantity 15 alarm	6	.1.3.6.1.4.2350.0.29
ExtendCancelCh1	Input switch quantity 1 returns to normal	6	.1.3.6.1.4.2350.0.30
ExtendCancelCh2	Input switch quantity 2 returns to normal	6	.1.3.6.1.4.2350.0.31
ExtendCancelCh3	Input switch quantity 3 returns to normal	6	.1.3.6.1.4.2350.0.32
ExtendCancelCh4	Input switch quantity 4 returns to normal	6	.1.3.6.1.4.2350.0.33
ExtendCancelCh5	Input switch quantity 5 returns to normal	6	.1.3.6.1.4.2350.0.34
ExtendCancelCh6	Input switch quantity 6 returns to normal	6	.1.3.6.1.4.2350.0.35
ExtendCancelCh7	Input switch quantity 7 returns to normal	6	.1.3.6.1.4.2350.0.36
ExtendCancelCh8	Input switch quantity 8 returns to normal	6	.1.3.6.1.4.2350.0.37



ExtendCancelCh9	Input switch quantity 9 returns to normal	6	.1.3.6.1.4.2350.0.38
ExtendCancelCh10	Input switch quantity 10 returns to normal	6	.1.3.6.1.4.2350.0.39
ExtendCancelCh11	Input switch quantity 11 returns to normal	6	.1.3.6.1.4.2350.0.40
ExtendCancelCh12	Input switch quantity 12 returns to normal	6	.1.3.6.1.4.2350.0.41
ExtendCancelCh13	Input switch quantity 13 returns to normal	6	.1.3.6.1.4.2350.0.42
ExtendCancelCh14	Input switch quantity 14 returns to normal	6	.1.3.6.1.4.2350.0.43
ExtendCancelCh15	Input switch quantity 15 returns to normal	6	.1.3.6.1.4.2350.0.44
TemperatureHumidityOffline1	Temperature and humidity 1 disconnection	6	.1.3.6.1.4.1.2350.0.45
TemperatureHumidityOffline2	Temperature and humidity 2 disconnection	6	.1.3.6.1.4.1.2350.0.46
TemperatureHumidityOffline3	Temperature and humidity 3 disconnection	6	.1.3.6.1.4.1.2350.0.47
TemperatureHumidityOffline4	Temperature and humidity 4 disconnection	6	.1.3.6.1.4.1.2350.0.48
TemperatureHumidityOffline5	Temperature and humidity 5 disconnection	6	.1.3.6.1.4.1.2350.0.49
TemperatureHumidityOffline6	Temperature and humidity 6 disconnection	6	.1.3.6.1.4.1.2350.0.50
TemperatureHumidityOffline7	Temperature and humidity 7 disconnection	6	.1.3.6.1.4.1.2350.0.51
TemperatureHumidityOffline8	Temperature and humidity 8 disconnection	6	.1.3.6.1.4.1.2350.0.52
TemperatureUpperLimit1	Temperature 1 upper limit alarm	6	.1.3.6.1.4.1.2350.0.53
TemperatureUpperLimit2	Temperature 2 upper limit alarm	6	.1.3.6.1.4.1.2350.0.54



mit2	alarm		
TemperatureUpperLi mit3	Temperature 3 upper limit alarm	6	.1.3.6.1.4.1.2350.0.55
TemperatureUpperLi mit4	Temperature 4 upper limit alarm	6	.1.3.6.1.4.1.2350.0.56
TemperatureUpperLi mit5	Temperature 5 upper limit alarm	6	.1.3.6.1.4.1.2350.0.57
TemperatureUpperLi mit6	Temperature 6 upper limit alarm	6	.1.3.6.1.4.1.2350.0.58
TemperatureUpperLi mit7	Temperature 7 upper limit alarm	6	.1.3.6.1.4.1.2350.0.59
TemperatureUpperLi mit8	Temperature 8 upper limit alarm	6	.1.3.6.1.4.1.2350.0.60
TemperatureLowerLi mit1	Temperature 1 lower limit alarm	6	.1.3.6.1.4.1.2350.0.61
TemperatureLowerLi mit2	Temperature 2 lower limit alarm	6	.1.3.6.1.4.1.2350.0.62
TemperatureLowerLi mit3	Temperature 3 lower limit alarm	6	.1.3.6.1.4.1.2350.0.63
TemperatureLowerLi mit4	Temperature 4 lower limit alarm	6	.1.3.6.1.4.1.2350.0.64
TemperatureLowerLi mit5	Temperature 5 lower limit alarm	6	.1.3.6.1.4.1.2350.0.65
TemperatureLowerLi mit6	Temperature 6 lower limit alarm	6	.1.3.6.1.4.1.2350.0.66
TemperatureLowerLi mit7	Temperature 7 lower limit alarm	6	.1.3.6.1.4.1.2350.0.67
TemperatureLowerLi mit8	Temperature 8 lower limit alarm	6	.1.3.6.1.4.1.2350.0.68
HumidityUpperLimit 1	Humidity 1 upper limit alarm	6	.1.3.6.1.4.1.2350.0.69

HumidityUpperLimit 2	Humidity 2 upper limit alarm	6	.1.3.6.1.4.1.2350.0.70
HumidityUpperLimit 3	Humidity 3 upper limit alarm	6	.1.3.6.1.4.1.2350.0.71
HumidityUpperLimit 4	Humidity 4 upper limit alarm	6	.1.3.6.1.4.1.2350.0.72
HumidityUpperLimit 5	Humidity 5 upper limit alarm	6	.1.3.6.1.4.1.2350.0.73
HumidityUpperLimit 6	Humidity 6 upper limit alarm	6	.1.3.6.1.4.1.2350.0.74
HumidityUpperLimit 7	Humidity 7 upper limit alarm	6	.1.3.6.1.4.1.2350.0.75
HumidityUpperLimit 8	Humidity 8 upper limit alarm	6	.1.3.6.1.4.1.2350.0.76
HumidityLowerLimit1	Humidity 1 lower limit alarm	6	.1.3.6.1.4.1.2350.0.77
HumidityLowerLimit2	Humidity 2 lower limit alarm	6	.1.3.6.1.4.1.2350.0.78
HumidityLowerLimit3	Humidity 3 lower limit alarm	6	.1.3.6.1.4.1.2350.0.79
HumidityLowerLimit4	Humidity 4 lower limit alarm	6	.1.3.6.1.4.1.2350.0.80
HumidityLowerLimit5	Humidity 5 lower limit alarm	6	.1.3.6.1.4.1.2350.0.81
HumidityLowerLimit6	Humidity 6 lower limit alarm	6	.1.3.6.1.4.1.2350.0.82
HumidityLowerLimit7	Humidity 7 lower limit alarm	6	.1.3.6.1.4.1.2350.0.83
HumidityLowerLimit8	Humidity 8 lower limit alarm	6	.1.3.6.1.4.1.2350.0.84
TemperatureHumidit yOnline1	Temperature and humidity 1 online	6	.1.3.6.1.4.1.2350.0.85
TemperatureHumidit yOnline2	Temperature and humidity 2 online	6	.1.3.6.1.4.1.2350.0.86
TemperatureHumidit yOnline3	Temperature and humidity 3 online	6	.1.3.6.1.4.1.2350.0.87
TemperatureHumidit yOnline4	Temperature and humidity 4 online	6	.1.3.6.1.4.1.2350.0.88
TemperatureHumidit	Temperature and humidity 5	6	.1.3.6.1.4.1.2350.0.89

yOnline5	online		
TemperatureHumidityOnline6	Temperature and humidity 6 online	6	.1.3.6.1.4.1.2350.0.90
TemperatureHumidityOnline7	Temperature and humidity 7 online	6	.1.3.6.1.4.1.2350.0.91
TemperatureHumidityOnline8	Temperature and humidity 8 online	6	.1.3.6.1.4.1.2350.0.92
TemperatureNormal1	Temperature 1 is normal	6	.1.3.6.1.4.1.2350.0.93
TemperatureNormal2	Temperature 2 is normal	6	.1.3.6.1.4.1.2350.0.94
TemperatureNormal3	Temperature 3 is normal	6	.1.3.6.1.4.1.2350.0.95
TemperatureNormal4	Temperature 4 is normal	6	.1.3.6.1.4.1.2350.0.96
TemperatureNormal5	Temperature 5 is normal	6	.1.3.6.1.4.1.2350.0.97
TemperatureNormal6	Temperature 6 is normal	6	.1.3.6.1.4.1.2350.0.98
TemperatureNormal7	Temperature 7 is normal	6	.1.3.6.1.4.1.2350.0.99
TemperatureNormal8	Temperature 8 is normal	6	.1.3.6.1.4.1.2350.0.100
HumidityNormal1	Humidity 1 normal	6	.1.3.6.1.4.1.2350.0.101
HumidityNormal2	Humidity 2 normal	6	.1.3.6.1.4.1.2350.0.102
HumidityNormal3	Humidity 3 normal	6	.1.3.6.1.4.1.2350.0.103
HumidityNormal4	Humidity 4 normal	6	.1.3.6.1.4.1.2350.0.104
HumidityNormal5	Humidity 5 normal	6	.1.3.6.1.4.1.2350.0.105
HumidityNormal6	Humidity 6 normal	6	.1.3.6.1.4.1.2350.0.106
HumidityNormal7	Humidity 7 normal	6	.1.3.6.1.4.1.2350.0.107
HumidityNormal8	Humidity 8 normal	6	.1.3.6.1.4.1.2350.0.108