Gutor PXC SNMP Register Map

Get Values - Analog

There are several object identifiers (OID) which are exposed of the UPS by the Network Management Card (NMC). The following table shows which analog values are updated by the NMC.

Base OID Address for APC / GUTOR: 1.3.6.1.4.1.318

SNMP OID Name	APC / GUTOR OID Address	OID Subaddress	Parameter	Unit of measure	Factor	Notes
upsPhaseOutputLoad	1.1.1.9.3.3.1.7	1.1.1	Output apparent power L1	VA	1	
upsPhaseOutputLoad	1.1.1.9.3.3.1.7	1.1.2	Output apparent power L2	VA	1	
upsPhaseOutputLoad	1.1.1.9.3.3.1.7	1.1.3	Output apparent power L3	VA	1	
upsPhaseOutputPower	1.1.1.9.3.3.1.13	1.1.1	Output real power L1	kW	1	
upsPhaseOutputPower	1.1.1.9.3.3.1.13	1.1.2	Output real power L2	kW	1	
upsPhaseOutputPower	1.1.1.9.3.3.1.13	1.1.3	Output real power L3	kW	1	
upsAdvOutputFrequency	1.1.1.4.2.2		Output frequency	Hz	1	
upsPhaseOutputVoltage	1.1.1.9.3.3.1.3	1.1.1	Output voltage L1	V	1	Phase L1 to Phase L2.
upsPhaseOutputVoltage	1.1.1.9.3.3.1.3	1.1.2	Output voltage L2	V	1	Phase L2 to Phase L3.
upsPhaseOutputVoltage	1.1.1.9.3.3.1.3	1.1.3	Output voltage L3	V	1	Phase L3 to Phase L1.
upsPhaseOutputCurrent	1.1.1.9.3.3.1.4	1.1.1	Output current L1	A	10	
upsPhaseOutputCurrent	1.1.1.9.3.3.1.4	1.1.2	Output current L2	A	10	
upsPhaseOutputCurrent	1.1.1.9.3.3.1.4	1.1.3	Output current L3	A	10	
upsAdvInputFrequency	1.1.1.3.2.4		Input mains frequency	Hz	1	
upsPhaseInputVoltage	1.1.1.9.2.3.1.3	1.1.1	Input mains voltage L1	V	1	Phase L1 to Phase L2.
upsPhaseInputVoltage	1.1.1.9.2.3.1.3	1.1.2	Input mains voltage L2	V	1	Phase L2 to Phase L3.
upsPhaseInputVoltage	1.1.1.9.2.3.1.3	1.1.3	Input mains voltage L3	V	1	Phase L3 to Phase L1.
upsPhaseInputCurrent	1.1.1.9.2.3.1.6	1.1.1	Input mains input current L1	A	10	
upsPhaseInputCurrent	1.1.1.9.2.3.1.6	1.1.2	Input mains input current L2	A	10	
upsPhaseInputCurrent	1.1.1.9.2.3.1.6	1.1.3	Input mains input current L3	A	10	
upsPhaseInputFrequency	1.1.1.9.2.2.1.4	2	Input bypass frequency	Hz	10	
upsPhaseInputVoltage	1.1.1.9.2.3.1.3	2.1.1	Input bypass voltage L1	V	10	Phase L1 to Phase L2. (0 if not available)
upsPhaseInputVoltage	1.1.1.9.2.3.1.3	2.1.2	Input bypass voltage L2	V	10	Phase L2 to Phase L3. (0 if not available)
upsPhaseInputVoltage	1.1.1.9.2.3.1.3	2.1.3	Input bypass voltage L3	V	10	Phase L3 to Phase L1. (0 if not available)
upsAdvBatteryCurrent	1.1.1.2.2.9		Battery current	A	1	

Get Values - Digital

There are several object identifiers (OID) which are exposed of the UPS by the Network Management Card (NMC). The following table shows which digital events are updated by the NMC. The OID needs to be requested.
Base OID Address for APC / GUTOR: 1.3.6.1.4.1.318.

SNMP OID Name	APC / GUTOR OID Address	Character Position	Parameter	Notes
upsAdvStateSmartUPSSpecificFaults	1.1.1.11.2.5	18	Standby	1 = the system is in standby operation
upsAdvStateSmartUPSSpecificFaults	1.1.1.11.2.5	20	Normal operation	1 = the system is in normal operation
upsAdvStateSmartUPSSpecificFaults	1.1.1.11.2.5	19	Battery operation	1 = the system is in battery operation
upsAdvStateSmartUPSSpecificFaults	1.1.1.11.2.5	35	Bypass operation	Static bypass switch ON
upsAdvStateSmartUPSSpecificFaults	1.1.1.11.2.5	27	Initial charge	The battery charger has been set to 'Initial charge' mode. The batteries are charged with initial charge voltage.
upsAdvStateSmartUPSSpecificFaults	1.1.1.11.2.5	25	Float charge	The battery charger has been set to 'Float charge' state. The batteries are charged with float charge voltage.
upsAdvStateSmartUPSSpecificFaults	1.1.1.11.2.5	26	Boost charge	The battery charger has been set to 'Boost charge' mode. The batteries are charged with boost charge voltage.
upsAdvStateSmartUPSSpecificFaults	1.1.1.11.2.5	28	Cyclic charge	The battery charger has been set to 'Cyclic charge' mode. The batteries are charged with cyclic charge voltage.
upsAdvStateSmartUPSSpecificFaults	1.1.1.11.2.5	22	Temporary Static bypass	The system is in static bypass operation due to a fault.
upsAdvStateSmartUPSSpecificFaults	1.1.1.11.2.5	21	Requested Static bypass	The system is in static bypass operation due to a user request.
upsAdvStateAbnormalConditions	1.1.1.11.2.1	29	Q001 closed	The rectifier mains input switch Q001 is closed
upsAdvStateAbnormalConditions	1.1.1.11.2.1	30	Q201 closed	The battery switch Q201 is closed
upsAdvStateAbnormalConditions	1.1.1.11.2.1	31	Q501 closed	The bypass mains input switch Q501 is closed
upsAdvStateAbnormalConditions	1.1.1.11.2.1	36	Q692/Q694 closed	The UPS output switch Q692 is closed
upsAdvStateSmartUPSSpecificFaults	1.1.1.11.2.5	37	Q528 closed	The load is supplied from the bypass. The inverter output is separated from the load. The bypass input of the UPS is still supplied with bypass voltage.
upsAdvStateSmartUPSSpecificFaults	1.1.1.11.2.5	38	MBS: BYPASS	The load is supplied from the bypass. The inverter output is separated from the load. The bypass input of the UPS is not supplied with bypass voltage.
upsAdvStateAbnormalConditions	1.1.1.11.2.1	63	Overtemperature	Overtemperature in PM or transformers detected (if available)
upsAdvStateSmartUPSSpecificFaults	1.1.1.11.2.5	42	T001 Overtemperature	Overtemperature on the rectifier mains transformer.
upsAdvStateSmartUPSSpecificFaults	1.1.1.11.2.5	43	T401 Overtemperature	Overtemperature on the output transformer.
upsAdvStateSmartUPSSpecificFaults	1.1.1.11.2.5	44	T501 Overtemperature (if available)	Overtemperature on the bypass transformer.
upsAdvStateSmartUPSSpecificFaults	1.1.1.11.2.5	6	Battery temperature warning	The battery temperature exceeds the programmed warning level.
upsAdvStateSmartUPSSpecificFaults	1.1.1.11.2.5	45	Battery temperature shutdown	The battery temperature exceeds the programmed shut-down level.
upsAdvStateSmartUPSSpecificFaults	1.1.1.11.2.5	46	Temperature 1 warning	The temperature sensor, connected to the external connection board, is over the temperature warning level
upsAdvStateSmartUPSSpecificFaults	1.1.1.11.2.5	49	T001 Temperature sensor fault	The mains input transformer temperature sensor PT100 is not connected or shorted
upsAdvStateSmartUPSSpecificFaults	1.1.1.11.2.5	50	T401 Temperature sensor fault	The output transformer temperature sensor PT100 is not connected or shorted
upsAdvStateSmartUPSSpecificFaults	1.1.1.11.2.5	51	T501 Temperature sensor fault (if available)	The bypass transformer temperature sensor PT100 is not connected or shorted
upsAdvStateSmartUPSSpecificFaults	1.1.1.11.2.5	1	Emergency Power Off (EPO)	The digital input of Emergency Power Off (EPO) is activated (contact open) or the EPO wiring is disconnected
upsAdvStateAbnormalConditions	1.1.1.11.2.1	62	General Mains fault	General Mains fault (Alarm if any Mains fault occur)
upsAdvStateSmartUPSSpecificFaults	1.1.1.11.2.5	55	Mains RMS fault	The rectifier mains voltage is out of tolerance

SNMP OID Name	APC / GUTOR OID Address	Character Position	Parameter	Notes
upsAdvStateSmartUPSSpecificFaults	1.1.1.11.2.5	56	Mains input RMS fault	The rectifier mains voltage on primary side of the input transformer is out of tolerance. This event is only active if a transformer is installed.
upsAdvStateAbnormalConditions	1.1.1.11.2.1	60	General Bypass fault	General Bypass fault (Alarm if any Bypass fault occurs)
upsAdvStateSmartUPSSpecificFaults	1.1.1.11.2.5	63	Bypass RMS fault	The bypass voltage is out of tolerance.
upsAdvStateSmartUPSSpecificFaults	1.1.1.11.2.5	64	Bypass input RMS fault	The bypass mains voltage on primary side of bypass transformer is out of tolerance. This event is only active if a transformer and the bypass measurement is installed.
upsAdvStateAbnormalConditions	1.1.1.11.2.1	61	General Output fault	General Output fault (Alarm if any Output fault occurs, overload or voltage issue).
upsAdvStateAbnormalConditions	1.1.1.11.2.1	5	Output RMS fault	The output voltage on the secondary side of the output transformer is out of tolerance.
upsAdvStateAbnormalConditions	1.1.1.11.2.1	4	Inverter output RMS fault	The UPS output voltage is out of tolerance.
upsAdvStateAbnormalConditions	1.1.1.11.2.1	12	Output overloaded	The UPS output is overloaded (>100%) or the inverter current limiter is active.
upsAdvStateAbnormalConditions	1.1.1.11.2.1	64	Battery: Warning or error	The battery voltage is out of tolerance or the runtime is too short.
upsAdvStateAbnormalConditions	1.1.1.11.2.1	13	High Battery shutdown	Battery voltage above the high battery shut-down level.
upsAdvStateAbnormalConditions	1.1.1.11.2.1	14	High Battery warning	Battery voltage above the 'High battery warning' level (no warning in battery operation).
upsAdvStateAbnormalConditions	1.1.1.11.2.1	15	Battery discharged	Battery voltage below the 'Low battery warning' level.
upsAdvStateAbnormalConditions	1.1.1.11.2.1	16	Low Battery shutdown	Battery voltage below 'Low battery shut-down' level.
upsAdvStateAbnormalConditions	1.1.1.11.2.1	17	Battery earth fault positive	The interface has detected a battery positive earth fault (if available).
upsAdvStateAbnormalConditions	1.1.1.11.2.1	18	Battery earth fault negative	The interface has detected a battery negative earth fault (if available).

TRAP VALUES

There are several object identifiers (OID) which are exposed of the UPS by the NetworkManagement Card (NMC). The following table shows which traps are sent by the NMC by default.
Base OID Address for APC / GUTOR: 1.3.6.1.4.1.318.

SNMP Trap OID Name	APC / GUTOR OID Address	Event Number and Text
abnormalCondition	0.77	UPS: 2: Configuration fault
abnormalCondition	0.77	UPS: 11: Standby
abnormalCondition	0.77	UPS: 15: Battery operation
abnormalCondition	0.77	UPS: 16: Normal operation
abnormalCondition	0.77	UPS: 17: Requested bypass operation
abnormalCondition	0.77	UPS: 18: Temporary bypass operation
abnormalCondition	0.77	UPS: 20: Bypass charge operation
abnormalCondition	0.77	UPS: 40: Charger OFF
abnormalCondition	0.77	UPS: 41: Float charge
abnormalCondition	0.77	UPS: 42: Boost charge
abnormalCondition	0.77	UPS: 43: Initial charge
abnormalCondition	0.77	UPS: 44: Cyclic charge
abnormalCondition	0.77	UPS: 45: Boost / Init blocked
abnormalCondition	0.77	UPS: 79: Parallel master has changed
abnormalCondition	0.77	UPS: 102: Powermodule hardware failure (PFC)
abnormalCondition	0.77	UPS: 110: Powermodule hardware failure (CH)
abnormalCondition	0.77	UPS: 132: Powermodule hardware failure (INV)
abnormalCondition	0.77	UPS: 146: Inverter asynchronous
abnormalCondition	0.77	UPS: 161: Static bypass ON
abnormalCondition	0.77	UPS: 162: SBS fault
abnormalCondition	0.77	UPS: 163: SBS independent fired
abnormalCondition	0.77	UPS: 164: SBS DC fault
abnormalCondition	0.77	UPS: 166: Q601: BYPASS
abnormalCondition	0.77	UPS: 167: Q601: AUTO
abnormalCondition	0.77	UPS: 181: Powermodule temperature warning
abnormalCondition	0.77	UPS: 182: Powermodule overtemperature
abnormalCondition	0.77	UPS: 183: T001 overtemperature
abnormalCondition	0.77	UPS: 184: T401 overtemperature
abnormalCondition	0.77	UPS: 185: T501 overtemperature (if available)
abnormalCondition	0.77	UPS: 186: Battery temperature warning
abnormalCondition	0.77	UPS: 187: Battery temperature shutdown
abnormalCondition	0.77	UPS: 189: Temperature sensor 1 warning
abnormalCondition	0.77	UPS: 192: T001 sensor fault
abnormalCondition	0.77	UPS: 193: T401 sensor fault
abnormalCondition	0.77	UPS: 194: T501 sensor fault (if available)
abnormalCondition	0.77	UPS: 200: Powermodule fan failure
abnormalCondition	0.77	UPS: 201: SBS fan failure
abnormalCondition	0.77	UPS: 202: Transformer fan failure
abnormalCondition	0.77	UPS: 220: Mains RMS fault
abnormalCondition	0.77	UPS: 221: Mains input RMS fault
abnormalCondition	0.77	UPS: 222: Mains FAST fault
abnormalCondition	0.77	UPS: 223: Mains frequency fault
abnormalCondition	0.77	UPS: 224: Mains phase missing
abnormalCondition	0.77	UPS: 225: Mains input phase missing
abnormalCondition	0.77	UPS: 228: Mains synchronisation fault
abnormalCondition	0.77	UPS: 229: Mains neutral lost
abnormalCondition	0.77	UPS: 240: Bypass RMS fault
abnormalCondition	0.77	UPS: 241: Bypass input RMS fault

SNMP Trap OID Name	APC / GUTOR OID Address	Event Number and Text
abnormalCondition	0.77	UPS: 242: Bypass FAST fault
abnormalCondition	0.77	UPS: 243: Bypass frequency fault
abnormalCondition	0.77	UPS: 244: Bypass phase missing
abnormalCondition	0.77	UPS: 245: Bypass input phase missing
abnormalCondition	0.77	UPS: 260: Inverter output RMS fault
abnormalCondition	0.77	UPS: 261: Output RMS fault
abnormalCondition	0.77	UPS: 262: Output FAST fault
abnormalCondition	0.77	UPS: 263: Output frequency fault
abnormalCondition	0.77	UPS: 264: Output phase missing
abnormalCondition	0.77	UPS: 266: High output voltage
abnormalCondition	0.77	UPS: 267: High load warning
abnormalCondition	0.77	UPS: 268: Current limitation
abnormalCondition	0.77	UPS: 269: Overload
abnormalCondition	0.77	UPS: 271: Output FAST fault
abnormalCondition	0.77	UPS: 301: High Battery voltage shutdown
abnormalCondition	0.77	UPS: 304: High Battery voltage
abnormalCondition	0.77	UPS: 305: Low Battery voltage
abnormalCondition	0.77	UPS: 306: Battery discharged
abnormalCondition	0.77	UPS: 307: Battery earth fault positive
abnormalCondition	0.77	UPS: 308: Battery earth fault negative
abnormalCondition	0.77	UPS: 312: Battery weak
abnormalCondition	0.77	UPS: 313: Battery defect
abnormalCondition	0.77	UPS: 314: Low runtime warning
abnormalCondition	0.77	UPS: 315: Low runtime alarm
abnormalCondition	0.77	UPS: 319: Battery collapsed
abnormalCondition	0.77	UPS: 330: Q001: open
abnormalCondition	0.77	UPS: 331: Q201: open
abnormalCondition	0.77	UPS: 332: Q501: open
abnormalCondition	0.77	UPS: 337: Q692/Q694: open
abnormalCondition	0.77	UPS: 351: ABUS termination fault
abnormalCondition	0.77	UPS: 370: Parallel configuration fault
abnormalCondition	0.77	UPS: 371: No parallel master
abnormalCondition	0.77	UPS: 374: Parallel load alarm
abnormalCondition	0.77	UPS: 375: Redundancy alarm
abnormalCondition	0.77	UPS: 397: PBUS 1 communication fault
abnormalCondition	0.77	UPS: 398: PBUS 2 communication fault
abnormalCondition	0.77	UPS: 399: PBUS 1 termination fault
abnormalCondition	0.77	UPS: 400: PBUS 2 termination fault
abnormalCondition	0.77	UPS: 440: EPO active
abnormalCondition	0.77	UPS: 447: Internal error
abnormalCondition	0.77	UPS: 448: Locked in bypass
abnormalCondition	0.77	UPS: 650: LCM Start-Up Alert
abnormalCondition	0.77	UPS: 653: LCM End of Warranty
abnormalCondition	0.77	UPS: 658: LCM Technical Check
abnormalCondition	0.77	UPS: 663: LCM Alert 1
abnormalCondition	0.77	UPS: 668: LCM Alert 2
abnormalCondition	0.77	UPS: 673: LCM Alert 3
abnormalCondition	0.77	UPS: 678: LCM Alert 4
abnormalCondition	0.77	UPS: 683: LCM Alert 5
abnormalCondition	0.77	UPS: 738: External connection board input 1
abnormalCondition	0.77	UPS: 739: External connection board input 2
abnormalCondition	0.77	UPS: 800: Common alarm