

**Information available via Modbus**
**Function Code 03 - Read Holding Registers**
**All points are unsigned integers**
**Default MODBUS Offset is 1 (configurable via WEB interface)**

				Information Supported by UPS Model						
Relative Address  (Default Modbus point)		Designation	Comment	Linear Plus	70Net	80Net	90Net	CP3020	CP3150	EDP70, 70L, 90 (Single)
000h (1)		not used								
<b>upsIdent</b>										
001h (2)		upsIdentModbus ProtocolVersion	XX.YY	√	√	√	√	√	√	√
002h (3)	1	upsIdentManufacturer	(0) Chloride (1) Masterguard (2) Oneac (3) Reserved (4) Reserved (5) Other	√	√	√	√	√	√	√
003h (4)	2	upsIdentModel	(0) SI/SII (1) 70-net/C/CP3020 (2) 90-net/SIII/CP3150  (3) Reserved (4) Reserved (5) Reserved (6) Reserved (7) Reserved  (8) 80Net (9) Reserved  (15) Series A/Active (16) Series E/Linear+	√	√	√	√	√	√	√
004h (5)	3	upsIdentUPSSoftware 1Version	HH Major - LL Minor	√	√	√	√	√	√	
005h (6)	4	upsIdentUPSSoftware 1DateYear			√	√	√	√	√	
006h (7)	5	upsIdentUPSSoftware 1DateMonth			√	√	√	√	√	
007h (8)	6	upsIdentUPSSoftware 1DateDay			√	√	√	√	√	
008h (9)	7	upsIdentUPSSoftware 1Code	10HXXXXXX code		√	√	√	√	√	
009h (10)	8	upsIdentUPSSoftware 2Version	HH Major - LL Minor			√			√	
00Ah (11)	9	upsIdentUPSSoftware 2DateYear				√			√	
00Bh (12)	10	upsIdentUPSSoftware 2DateMonth				√			√	
00Ch (13)	11	upsIdentUPSSoftware 2DateDay				√			√	
00Dh (14)	12	upsIdentUPSSoftware 2Code	10HXXXXXX code			√			√	

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00Eh (15)	13	reserved								
00Fh (16)	14	reserved								
010h (17)	15	reserved								
011h (18)	16	reserved								
012h (19)	17	reserved								
	upsBattery									
013h (20)	1	upsBatteryStatus	(1) unknown (2) batteryNormal (3) batteryLow (4) batteryDepleted	√	√	√	√	√	√	√
014h (21)	2	upsSecondsOnBattery	[s]	√	√	√	√	√	√	√
015h (22)	3	UpsEstimatedSeconds Remaining	[s]	√	√	√	√	√	√	√
016h (23)	4	UpsEstimatedCharge Remaining	[%]	√	√	√	√	√	√	
017h (24)	5	upsBatteryVoltage	[0,1 V]	√	√	√	√	√	√	√
018h (25)	6	upsBatteryCurrent	[0,1 A]	√	√	√	√	√	√	√
019h (26)	7	upsBatteryTemperature	[°C]	√	√	√	√	√	√	√
01Ah (27)	8	reserved								
01Bh (28)	9	reserved								
01Ch (29)	10	reserved								
01Dh (30)	11	reserved								
01Eh (31)	12	reserved								
	upsInput									
01Fh (32)	1	upsInputLineBads		√	√	√	√	√	√	√
020h (33)	2	upsInputFrequency	[0,1 Hz]	√	√	√	√	√	√	√
021h (34)	3	upsInputNumLines		√	√	√	√	√	√	√
022h (35)	4	upsInputVoltage L1	[V]	√	√	√	√	√	√	√
023h (36)	5	upsInputVoltage L2	[V]		√	√	√	√	√	√
024h (37)	6	upsInputVoltage L3	[V]		√	√	√	√	√	√
025h (38)	7	upsInputCurrent L1	[0,1 A]	√	√	√	√	√	√	√
026h (39)	8	upsInputCurrent L2	[0,1 A]		√	√	√	√	√	√
027h (40)	9	upsInputCurrent L3	[0,1 A]		√	√	√	√	√	√

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028h (41)	10	upsInputRealPower L1	[0,1kW]			√			√	
029h (42)	11	upsInputRealPower L2	[0,1kW]			√			√	
02Ah (43)	12	upsInputRealPower L3	[0,1kW]			√			√	
02Bh (44)	13	upsInputDCVoltage	[V]		√	√	√	√	√	
02Ch (45)	14	reserved								
02Dh (46)	15	reserved								
02Eh (47)	16	reserved								
02Fh (48)	17	reserved								
030h (49)	18	reserved								
<b>upsOutput</b>										
031h (50)	1	upsOutputSource	(1) other (2) none (3) normal (4) bypass (5) battery (6) booster (7) reducer	√	√	√	√	√	√	√
032h (51)	2	upsOutputFrequency	[0,1 Hz]	√	√	√	√	√	√	√
033h (52)	3	upsOutputNumLines		√	√	√	√	√	√	√
034h (53)	4	upsOutputVoltage L1	[V]	√	√	√	√	√	√	√
035h (54)	5	upsOutputVoltage L2	[V]		√	√	√	√	√	√
036h (55)	6	upsOutputVoltage L3	[V]		√	√	√	√	√	√
037h (56)	7	upsOutputCurrent L1	[0,1 A]	√	√	√	√	√	√	√
038h (57)	8	upsOutputCurrent L2	[0,1 A]		√	√	√	√	√	√
039h (58)	9	upsOutputCurrent L3	[0,1 A]		√	√	√	√	√	√
03Ah (59)	10	upsOutputRealPower L1	[0,1kW]	√	√	√	√	√	√	
03Bh (60)	11	upsOutputRealPower L2	[0,1kW]		√	√	√	√	√	
03Ch (61)	12	upsOutputRealPower L3	[0,1kW]		√	√	√	√	√	

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03Dh (62)	13	upsOutputPercentLoad L1	[%]	√	√	√	√	√	√	√
03Eh (63)	14	upsOutputPercentLoad L2	[%]		√	√	√	√	√	√
03Fh (64)	15	upsOutputPercentLoad L3	[%]		√	√	√	√	√	√
040h (65)	16	reserved								
041h (66)	17	reserved								
042h (67)	18	reserved								
043h (68)	19	reserved								
044h (69)	20	reserved								
upsBypass										
045h (70)	1	upsBypassLineBads		√	√	√	√	√	√	√
046h (71)	2	upsBypassFrequency	[0,1 Hz]	√	√	√	√	√	√	√
047h (72)	3	upsBypass InputNumLines		√	√	√	√	√	√	√
048h (73)	4	upsBypassVoltage L1	[V]	√	√	√	√	√	√	√
049h (74)	5	upsBypassVoltage L2	[V]		√	√	√	√	√	√
04Ah (75)	6	upsBypassVoltage L3	[V]		√	√	√	√	√	√
04Bh (76)	7	upsBypassCurrent L1	[0,1 A]	√	√	√	√	√	√	√
04Ch (77)	8	upsBypassCurrent L2	[0,1 A]		√	√	√	√	√	√
04Dh (78)	9	upsBypassCurrent L3	[0,1 A]		√	√	√	√	√	√
04Eh (79)	10	upsBypassRealPower L1	[0,1kW]	√						√
04Fh (80)	11	upsBypassRealPower L2	[0,1kW]							√
050h (81)	12	upsBypassRealPower L3	[0,1kW]							√
051h (82)	13	reserved								
052h (83)	14	reserved								
053h (84)	15	reserved								
054h (85)	16	reserved								
055h (86)	17	reserved								

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Relative Address  (Default Modbus point)		Designation	Comment	Linear Plus	70Net	80Net	90Net	CP3020	CP3150	EDP70, 70L, 90 (Single)
	upsAlarm									
056h (87) bit 0	1	upsAlarmsPresent	Nb. of active alarms	√	√	√	√	√	√	√
056h bit 1	2	upsAlarmBatteryBad		√						
056h bit 2	3	upsAlarmOnBattery		√	√	√	√	√	√	√
056h bit 3	4	upsAlarmLowBattery		√	√	√	√	√	√	√
056h bit 4	5	upsAlarmDepletedBattery		√	√	√	√	√	√	√
056h bit 5	6	upsAlarmTempBad		√	√	√	√	√	√	√
056h bit 6	7	upsAlarmInputBad		√	√	√	√	√	√	√
056h bit 7	8	upsAlarmOutputBad		√						
056h bit 8	9	reserved								
056h bit 9	10	reserved								
056h bit 10	11	reserved								
056h bit 11	12	reserved								
056h bit 12	13	reserved								
056h bit 13	14	reserved								
056h bit 14	15	reserved								
056h bit 15	16	reserved								
057h (88) bit 0	17	upsAlarmOutputOverload		√	√	√	√	√	√	√
057h bit 1	18	upsAlarmOnBypass		√	√	√	√	√	√	√
057h bit 2	19	upsAlarmBypassBad		√	√	√	√	√	√	√
057h bit 3	20	upsAlarmOutputOffAsRequested								
057h bit 4	21	upsAlarmUpsOffAsRequested		√						
057h bit 5	22	upsAlarmChargerFailed			√	√	√	√	√	√
057h bit 6	23	upsAlarmUpsOutputOff								
057h bit 7	24	upsAlarmUpsSystemOff		√						
057h bit 8	25	reserved								
057h bit 9	26	reserved								
057h bit 10	27	reserved								
057h bit 11	28	reserved								
057h bit 12	29	reserved								
057h bit 13	30	reserved								
057h bit 14	31	reserved								
057h bit 15	32	reserved								

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058h (89) bit 0	33	upsAlarmFanFailure		√		√				
058h bit 1	34	upsAlarmFuseFailure		√						
058h bit 2	35	upsAlarmGeneralFault		√	√	√	√	√	√	
058h bit 3	36	upsAlarmDiagnosticTestFailed		√		√				
058h bit 4	37	upsAlarmCommunicationsLost		√	√	√	√	√	√	√
058h bit 5	38	upsAlarmAwaitingPower								
058h bit 6	39	upsAlarmShutdownPending		√	√	√	√	√	√	
058h bit 7	40	upsAlarmShutdownImminent								
058h bit 8	41	reserved								
058h bit 9	42	reserved								
058h bit 10	43	reserved								
058h bit 11	44	reserved								
058h bit 12	45	reserved								
058h bit 13	46	reserved								
058h bit 14	47	reserved								
058h bit 15	48	reserved								
059h (90) bit 0	49	upsAlarmTestInProgress		√	√	√	√	√	√	
059h bit 1	50	upsAlarmAutonomyCalibration								
059h bit 2	51	upsAlarmGeneralWarning		√	√	√	√	√	√	
059h bit 3	52	upsAlarmBatteryCharging		√						
059h bit 4	53	upsAlarmBackfeedRelayFailure								
059h bit 5	54	upsAlarmBatteryFuseBlown								
059h bit 6	55	upsAlarmSystemRestartPending								
059h bit 7	56	upsAlarmBatteryDegraded								
059h bit 8	57	reserved								
059h bit 9	58	reserved								
059h bit 10	59	reserved								
059h bit 11	60	reserved								
059h bit 12	61	reserved								
059h bit 13	62	reserved								
059h bit 14	63	reserved								
059h bit 15	64	reserved								
<b>upsCondition</b>										
05Ah (91)	1	upsConditionBypass	(0) Bypass not present (1) Bypass on (2) Bypass off (3) Bypass fault (4) Bypass not prepared	√	√	√	√	√	√	
05Bh (92)	2	upsConditionInverter	(0) Inverter off (1) Inverter turning on (2) Inverter on (3) Inverter fault (4) Inverter turning off	√	√	√	√	√	√	

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05C0 (93)	3	upsConditionRectifier	(0) Rectifier off (1) Rectifier turning on (2) Rectifier on (3) Rectifier fault		√	√	√	√	√	
05Dh (94)	4	upsConditionBatteryConnected		√	√	√	√	√	√	
05Eh (95)	5	upsConditionNonSynchronism			√	√	√	√	√	
060h (96)	6	reserved								
061h (97)	7	reserved								
062h (98)	8	reserved								
063h (99)	9	reserved								
064h (100)	10	reserved								
		upsParallelCondition								
065h (101)	1	upsInParallelSet	(0) UPS is single (1) UPS is part of parallel set	√	√	√	√	√	√	√
066h (102)	2	upsDetectParallel Problem	(0)UPS is in single mode or runs in parallel mode and is fine (1)UPS detects a problem in parallel mode	√						
067h (103)	3	reserved								
068h (104)	4	reserved								
069h (105)	5	reserved								
06Ah (106)	6	reserved								
06Bh (107)	7	reserved								
		customerDedicatedInformation								
06Ch (108)	1	customerInfo1		√						
06Dh (109)	2	customerInfo2								
06Eh (110)	3	customerInfo3								
06Fh (111)	4	customerInfo4								
070h (112)	5	customerInfo5								
071h (113)	3	reserved								
072h (114)	4	reserved								
073h (115)	5	reserved								
074h (116)	6	reserved								
075h (117)	7	reserved								