IQ250

Category	Modbus TCP Register	Description	Register Count	Type ID	Units	Writable	Possible Values
System ID	1032	Vendor Name	32	ASCII	no-units		
	1064	Model Name	32	ASCII	no-units		
	1096	Display Name	32	ASCII	no-units		
	1128	Device Type	32	ASCII	no-units		
	1192	Device ID	32	ASCII	no-units		
	1276	Serial Number	32	ASCII	no-units		
	2108	Software Version	24	ASCII	no-units		
	1605	Field Replaceable Unit	1	UINT16	no-units		
Status	3000	Status	1	UINT16	no-units		Off(0);Normal(1);Limp mode(2);Warmup(3);Unknown(4);Unknown(5);Boot up(6);Boot up(7)
Meters	4002	Vab	2	FLOAT	volts		
	4004	Vbc	2	FLOAT	volts		
	4006	Vca	2	FLOAT	volts		
	4008	V(L-L) Average	2	FLOAT	volts		
	4010	Van	2	FLOAT	volts		
	4012	Vbn	2	FLOAT	volts		
	4014	Vcn	2	FLOAT	volts		
	4231	Min Van	2	FLOAT	volts		
	4233	Min Vbn	2	FLOAT	volts		
	4235	Min Vcn	2	FLOAT	volts		
	4241	Min Vab	2	FLOAT	volts		
	4243	Min Vbc	2	FLOAT	volts		
	4245	Min Vca	2	FLOAT	volts		
	4296	Max Van	2	FLOAT	volts		
	4298	Max Vbn	2	FLOAT	volts		
	4300	Max Vcn	2	FLOAT	volts		
	4306	Max Vab	2	FLOAT	volts		
	4308	Max Vbc	2	FLOAT	volts		

Category	Modbus TCP Register	Description	Register Count	Type ID	Units	Writable	Possible Values
	4310	Max Vca	2	FLOAT	volts		
	4497	Phase Angle Vab	2	FLOAT	degrees-phase		
	4499	Phase Angle Vbc	2	FLOAT	degrees-phase		
	4501	Phase Angle Vca	2	FLOAT	degrees-phase		
	5002	Ia	2	FLOAT	amperes		
	5004	Ib	2	FLOAT	amperes		
	5006	Ic	2	FLOAT	amperes		
	5010	In	2	FLOAT	amperes		
	5012	Iavg	2	FLOAT	amperes		
	5250	Demand Ia	2	FLOAT	amperes		
	5252	Demand Ib	2	FLOAT	amperes		
	5254	Demand Ic	2	FLOAT	amperes		
	5258	Demand In	2	FLOAT	amperes		
	5014	Peak Demand Ia	2	FLOAT	amperes		
	5016	Peak Demand Ib	2	FLOAT	amperes		
	5018	Peak Demand Ic	2	FLOAT	amperes		
	5262	Peak Demand In	2	FLOAT	amperes		
	5282	Peak Demand 3 Phase Current	2	FLOAT	amperes		
	5338	Phase Angle Ia	2	FLOAT	degrees-phase		
	5340	Phase Angle Ib	2	FLOAT	degrees-phase		
	5342	Phase Angle Ic	2	FLOAT	degrees-phase		
	6000	Real Power Phase A	2	FLOAT	watts		
	6002	Real Power Phase B	2	FLOAT	watts		
	6004	Real Power Phase C	2	FLOAT	watts		
	6006	Real Power	2	FLOAT	watts		
	6064	Apparent Power Phase A	2	FLOAT	volt-amperes		
	6066	Apparent Power Phase B	2	FLOAT	volt-amperes		
	6068	Apparent Power Phase C	2	FLOAT	volt-amperes		
	6070	Apparent Power	2	FLOAT	volt-amperes		
	6128	Reactive Power Phase A	2	FLOAT	volt-amperes-reactive		
	6130	Reactive Power Phase B	2	FLOAT	volt-amperes-reactive		
	6132	Reactive Power Phase C	2	FLOAT	volt-amperes-reactive		
	6134	Reactive Power	2	FLOAT	volt-amperes-reactive		

Category	Modbus TCP Register	Description	Register Count	Type ID	Units	Writable	Possible Values
	6212	PF App Phase A	2	FLOAT	power-factor		
	6214	PF App Phase B	2	FLOAT	power-factor		
	6216	PF App Phase C	2	FLOAT	power-factor		
	6220	PF Apparent	2	FLOAT	power-factor		
	6460	Max Demand Positive PF	2	FLOAT	power-factor		
	6462	Max Demand Negative PF	2	FLOAT	power-factor		
	6464	Min Demand Positive PF	2	FLOAT	power-factor		
	6466	Min Demand Negative PF	2	FLOAT	power-factor		
	6468	Avg Positive PF	2	FLOAT	power-factor		
	6470	Avg Negative PF	2	FLOAT	power-factor		
	7004	Forward Real Energy	2	FLOAT	watt-hours		
	7006	Reverse Real Energy	2	FLOAT	watt-hours		
	7008	Net Real Energy	2	FLOAT	watt-hours		
	7679	Total Real Energy	2	FLOAT	watt-hours		
	7010	Leading Reactive Energy	2	FLOAT	volt-ampere-reactive-hours		
	7012	Lagging Reactive Energy	2	FLOAT	volt-ampere-reactive-hours		
	7014	Net Reactive Energy	2	FLOAT	volt-ampere-reactive-hours		
	7628	Total Reactive Energy	2	FLOAT	volt-ampere-reactive-hours		
	7016	Apparent Energy	2	FLOAT	volt-ampere-hours		
	7220	Demand Forward Watts	2	FLOAT	watts		
	7222	Peak Demand Forward Watts	2	FLOAT	watts		
	7262	Demand Reverse Watts	2	FLOAT	watts		
	7264	Peak Demand Reverse Watts	2	FLOAT	watts		
	7303	Demand Lagging VARs	2	FLOAT	volt-amperes-reactive		
	7305	Peak Demand Lagging VARs	2	FLOAT	volt-amperes-reactive		
	7345	Demand Leading VARs	2	FLOAT	volt-amperes-reactive		
	7347	Peak Demand Leading VARs	2	FLOAT	volt-amperes-reactive		
	7387	Demand VAs	2	FLOAT	volt-amperes		
	7389	Peak Demand VAs	2	FLOAT	volt-amperes		
	10000	DI 1 Accumulated Value	2	UINT32	no-units		
	10002	DI 2 Accumulated Value	2	UINT32	no-units		
	10004	DI 3 Accumulated Value	2	UINT32	no-units		
	10006	DI 4 Accumulated Value	2	UINT32	no-units		

Category	Modbus TCP Register	Description	Register Count	Type ID	Units	Writable	Possible Values
	10200	DI 1 Status	2	UINT32	no-units		
	10202	DI 2 Status	2	UINT32	no-units		
	10204	DI 3 Status	2	UINT32	no-units		
	10206	DI 4 Status	2	UINT32	no-units		
	10297	Digital Output 1	1	UINT16	no-units		
	10298	Digital Output 2	1	UINT16	no-units		
	10299	Digital Output 3	1	UINT16	no-units		
	10300	Digital Output 4	1	UINT16	no-units		
	11000	Frequency	2	FLOAT	hertz		
	11022	Min Frequency	2	FLOAT	hertz		
	11027	Max Frequency	2	FLOAT	hertz		
Alarms	13548	Summary Alarm	1	UINT16	no-units		Inactive(0);Active(1)
Controls	2206	Reset Energy	1	INT16	no-units	Yes	
	2232	Reset All Min/Max Values	1	INT16	no-units	Yes	