

Only in Plus version



Register Name	Description	Register Type	R/W	Default	Modbus Address
Machine_Id	Machine ID	unsigned short	R	36 or 37 (STD, PLUS)	40001
HW_FW_version	Hardware (MSB) and Firmware (LSB) Revision	unsigned short	R		40002
address	modbus address	unsigned short	R/W	1	40003
delay	answer delay expressed as cycles	unsigned short	R/W	1	40004
Baudrate	0 → 1200 1 → 2400 2 → 4800 3 → 9600 4 → 19200 5 → 38400 6 → 57600 7 → 115200	unsigned short	R/W	3	40005
Parity	0 -> NONE 1 -> ODD 2 -> EVEN	unsigned short	R/W	0	40006
Configuration_Flag	Bit C: Current Measurement type 0 - nput 1/45A 1 - Input 333 mV/ Rogowski Bit S: Reactive power calculation method 0 - Triangle method 1 - Budeanu Bit C: RS-455 as Switch 0 - RS-485 1 - Switch Bit 7: Frequency detection Channel 0 - Voltage 1 - Current Bit 8: Voltage input type 0 - Voltage 1 - Current Bit 9: Energy saving 0 - Disabled 1 - FPWM modulated input (Inverter Load) Bit 9: Energy saving 0 - Disabled 1 - Enabled Bit 11.12: Measurement type 0 - Float Swapped 2 - Hundredth related robust 1 - Integrator condition 0 - Listalidd 1 - Integrator condition 0 - Listalidd Bit 13. Integrator condition 0 - Listalidd Bit 10.14: Output switch initial condition 0 - Closed initial condition 1 - Windowed: closed contact between thresholds 2 - Open initial condition 3 - Windowed: closed contact between thresholds 2 - Open initial condition 0 - Flitting enabled 1 - Flitting enabled 2 - Flitting enabled	unsigned short	R/W	16928: INPUT_IA_SA BUDEANU RS465_BEHANOUR FREQUENCY_DETECTION_ON_VOLTAGE NORMAL_INPUT ENERGY_SANIVAS_ENABLED FLOAT_TYPE INTEGRATOR JUASALED OPEN_COND FILTERED_OUTPUT_DISABLED	40007
Led_settings	Set Fail LED Bit: 0 → Fail Eeprom (settings, calibration or Energy) 2 → I1 Over-range 3 → I1 Under-range	unsigned short	R/W	1: Fail Eeprom	
	8 → V1 Over-range 9 → V1 Under-range				40008
CT_Transducer_ratio	9 → V1 Under-range If Input 1A/5A → Current transformer ratio M/N (Ex: 600:5 → transducer_ratio = 120) If Input Rogowski / 333mV → (1 / Sensitivity) [A/V] (Ex: 100mV/1KA → transducer_ratio = 10000, 333mV/5A → transducer_ratio = 15)	float	R/W	1	40009
CT_Transducer_delay	9 → V1 Under-range If Input 1A/5A → Current transformer ratio M/N (Ex: 600:5 → transducer_ratio = 120) If Input Rogowski / 333mV → (1 / Sensitivity) [A/V] (Ex: 100mV/1KA → transducer_ratio = 10000, 333mV/5A → transducer ratio = 15) Current transformer delay in [°] @ 50 Hz for accurate power calculation	float	R/W	1	40009 40011
CT_Transducer_delay VT_Transducer_ratio	9 → V1 Under-range If Input 1A/5A → Current transformer ratio M/N (Ex: 600:5 → transducer_ratio = 120) If Input Rogowski / 333mV → (1 / Sensitivity) [A/V] (Ex: 100mV/1KA → transducer_ratio = 10000, 333mV/5A → transducer_ratio = 15) Current transformer delay in [°] @ 50 Hz for accurate power calculation Voltage transformer ratio M/N - Default 1.0 (Ex: 1000:100 → transducer_ratio = 10)	float float	R/W R/W	1	40009 40011 40013
CT_Transducer_delay	9 → V1 Under-range If Input 1A/5A → Current transformer ratio M/N (Ex: 600:5 → transducer_ratio = 120) If Input Rogowski / 333mV → (1 / Sensitivity) [A/V] (Ex: 100mV/1KA → transducer_ratio = 10000, 333mV/5A → transducer_ratio = 15) Current transformer delay in [`] @ 50 Hz for accurate power calculation Voltage transformer ratio M/N - Default 1.0 (Ex: 1000:100 → transducer_ratio = 10) Voltage transformer delay in [`] @ 50 Hz for accurate power calculation	float	R/W R/W R/W	1	40009 40011 40013 40015
CT_Transducer_delay VT_Transducer_ratio	9 → V1 Under-range If Input 1A/5A → Current transformer ratio M/N (Ex: 600:5 → transducer_ratio = 120) If Input Rogowski / 333mV → (1 / Sensitivity) [A/V] (Ex: 100mV/1KA → transducer_ratio = 10000, 333mV/5A → transducer_ratio = 15) Current transformer delay in [°] @ 50 Hz for accurate power calculation Voltage transformer ratio M/N - Default 1.0 (Ex: 1000:100 → transducer_ratio = 10)	float float	R/W R/W	1	40009 40011 40013
CT_Transducer_delay VT_Transducer_ratio VT_Transducer_delay minimum_voltage_ripple	9 → V1 Under-range If Input 1A/5A → Current transformer ratio M/N (Ex: 600:5 → transducer_ratio = 120) If Input Rogowski / 333mV → (1 / Sensitivity) [A/V] (Ex: 100mV/1KA → transducer_ratio = 10000, 333mV/5A → transducer_ratio = 15) Current transformer delay in [`] @ 50 Hz for accurate power calculation Voltage transformer ratio M/N - Default 1.0 (Ex: 1000:100 → transducer_ratio = 10) Voltage transformer delay in [`] @ 50 Hz for accurate power calculation	float float float float	R/W R/W R/W	1	40009 40011 40013 40015
CT_Transducer_delay VT_Transducer_ratio VT_Transducer_delay minimum_voltage_ripple minimum_current_ripple	9 → V1 Under-range If Input 1A/5A → Current transformer ratio W/N (Ex: 600:5 → transducer_ratio = 120) If Input Rogowski / 333mV → (1 / Sensitivity) [A/V] (Ex: 100mV/1KA → transducer_ratio = 10000, 333mV/5A → transdocer_ratio = 15) Current transformer delay in [¹] @ 50 Hz for accurate power calculation Voltage transformer ratio M/N - Default 1.0 (Ex: 1000:100 → transducer_ratio = 10) Voltage transformer delay in [¹] @ 50 Hz for accurate power calculation Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value	float float float float float	R/W R/W R/W R/W R/W	1 0 0 0	40009 40011 40013 40015 40017 40019
CT_Transducer_delay VT_Transducer_ratio VT_Transducer_delay minimum_voltage_ripple minimum_current_ripple minimum_power_ripple	9 → V1 Under-range If Input 1A/5A → Current transformer ratio WN (Ex: 600:5 → transducer_ratio = 120) If Input Rogowski / 333mV → (1 / Sensitivity) [A/V] (Ex: 100mV/1KA → transducer_ratio = 10000, 333mV/5A → transducer_ratio = 15) Current transformer delay in [°] @ 50 Hz for accurate power calculation Voltage transformer ratio M/N - Default 1.0 (Ex: 1000:100 → transducer_ratio = 10) Voltage transformer delay in [°] @ 50 Hz for accurate power calculation Winimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value	float float float float float float	R/W R/W R/W R/W R/W R/W	1 0 0 0 0 0 0	40009 40011 40013 40015 40017 40019 40021
CT_Transducer_delay VT_Transducer_ratio VT_Transducer_delay minimum_voltage_ripple minimum_current_ripple minimum_power_ripple DC_Filter	9 → V1 Under-range If Input 1A/5A → Current transformer ratio M/N (Ex: 600:5 → transducer_ratio = 120) If Input Rogowski / 333mV → (1 / Sensitivity) [A/V] (Ex: 100mV/1KA → transducer_ratio = 10000, 333mV/5A → transducer_ratio = 15) Current transformer delay in ['] @ 50 Hz for accurate power calculation Voltage transformer delay in ['] @ 50 Hz for accurate power calculation Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value (P, Q, and S) Number of tenth seconds for I RMS value in DC	float float float float float float unsigned short	R/W R/W R/W R/W R/W R/W R/W	1 0 0 0 0 10	40009 40011 40013 40015 40017 40019 40021 40023
CT_Transducer_delay VT_Transducer_ratio VT_Transducer_delay minimum_voltage_ripple minimum_power_ripple DC_Filter AC_Filter	9 → V1 Under-range If Input 1A/5A → Current transformer ratio WN (Ex: 600:5 → transducer_ratio = 120) If Input Rogowski / 333mV → (1 / Sensitivity) [A/V] (Ex: 100mV/1KA → transducer_ratio = 10000, 333mV/5A → transducer_ratio = 15) Current transformer delay in [] @ 50 Hz for accurate power calculation Voltage transformer ratio M/N - Default 1.0 (Ex: 1000:100 → transducer_ratio = 10) Voltage transformer delay in [] @ 50 Hz for accurate power calculation Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value (P, Q, and S) Number of tenth seconds for I RMS value in DC	float float float float float float unsigned short unsigned short	R/W R/W R/W R/W R/W R/W R/W R/W	1 0 0 0 0 0 10 50	40009 40011 40013 40015 40017 40017 40021 40023 40023
CT_Transducer_delay VT_Transducer_ratio VT_Transducer_delay minimum_voltage_ripple minimum_current_ripple minimum_power_ripple DC_Filter AC_Filter minute_for_Max_demand	9 → V1 Under-range If Input 1A/5A → Current transformer ratio WN (Ex: 600:5 → transducer_ratio = 120) If Input Rogowski / 333mV → (1 / Sensitivity) [A/V] (Ex: 100mV/1KA → transducer_ratio = 10000, 333mV/5A → transducer ratio = 15) Current transformer delay in [°] @ 50 Hz for accurate power calculation Voltage transformer ratio M/N - Default 1.0 (Ex: 1000:100 → transducer_ratio = 10) Voltage transformer delay in [°] @ 50 Hz for accurate power calculation Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value (P, Q, and S) Number of tenth seconds for 1 RMS value in DC Number of zero crossings for 1 RMS value in AC Minute for Max demand calculation (045)	float float float float float float unsigned short unsigned short unsigned short	R/W R/W R/W R/W R/W R/W R/W R/W	1 0 0 0 0 0 10 50 50 15	40009 40011 40013 40015 40017 40019 40021 40023 40024 40025
CT_Transducer_delay VT_Transducer_ratio VT_Transducer_delay minimum_voltage_ripple minimum_current_ripple DC_Filter AC_Filter minute_for_Max_demand seconds_for_mean_RMS	9 → V1 Under-range If Input 1A/5A → Current transformer ratio WN (Ex: 600:5 → transducer_ratio = 120) If Input Rogowski / 333mV → (1 / Sensitivity) [A/V] (Ex: 100mV/1KA → transducer_ratio = 10000, 333mV/5A → transducer ratio = 15) Current transformer delay in [°] @ 50 Hz for accurate power calculation Voltage transformer delay in [°] @ 50 Hz for accurate power calculation Voltage transformer delay in [°] @ 50 Hz for accurate power calculation Woltage transformer delay in [°] @ 50 Hz for accurate power calculation Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value (P, Q, and S) Number of tenth seconds for I RMS value in DC Number of zero crossings for I RMS value in AC Minute for Max demand calculation (045) Register in seconds (030) for RMS average	float float float float float float float unsigned short unsigned short unsigned short	R/W R/W R/W R/W R/W R/W R/W R/W R/W	1 0 0 0 0 0 10 50 15 0 0	40009 40011 40013 40015 40017 40019 40021 40023 40024 40025 40027
CT_Transducer_delay VT_Transducer_ratio VT_Transducer_delay minimum_voltage_ripple minimum_power_ripple DC_Filter AC_Filter minute_for_Max_demand seconds_for_MAX_RMS	9 → V1 Under-range If Input 1A/5A → Current transformer ratio WN (Ex: 600:5 → transducer_ratio = 120) If Input Rogowski / 333mV → (1 / Sensitivity) [A/V] (Ex: 100mV/1KA → transducer_ratio = 10000, 333mV/5A → transducer_ratio = 15) Current transformer delay in [1] @ 50 Hz for accurate power calculation Voltage transformer delay in [1] @ 50 Hz for accurate power calculation Woltage transformer delay in [1] @ 50 Hz for accurate power calculation Winimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value (P, Q, and S) Number of zero crossings for I RMS value in DC Minute for Max demand calculation (045) Register in seconds (0.30) for RMS average Seconds 130 for MAX RMS value. If the register is 0, then the absolute MAX RMS is given	float float float float float float unsigned short unsigned short unsigned short unsigned short	R/W R/W R/W R/W R/W R/W R/W R/W R/W R/W	1 0 0 0 0 0 0 0 0 0 0 0 0 0	40009 40011 40013 40015 40017 40019 40021 40023 40024 40025 40027 40028
CT_Transducer_delay VT_Transducer_ratio VT_Transducer_delay minimum_voltage_ripple minimum_current_ripple DC_Filter AC_Filter minute_for_Max_demand seconds_for_mean_RMS	9 → V1 Under-range If Input 1A/5A → Current transformer ratio WN (Ex: 600:5 → transducer_ratio = 120) If Input Rogowski / 333mV → (1 / Sensitivity) [A/V] (Ex: 100mV/1KA → transducer_ratio = 10000, 333mV/5A → transducer ratio = 15) Current transformer delay in [°] @ 50 Hz for accurate power calculation Voltage transformer ratio M/N - Default 1.0 (Ex: 1000:100 → transducer_ratio = 10) Voltage transformer delay in [°] @ 50 Hz for accurate power calculation Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value (P, Q, and S) Number of tenth seconds for 1 RMS value in DC Minute for Max demand calculation (045) Register in seconds (030) for RMS average Seconds 130 for MAX RMS value. If the register is 0, then the absolute MAX RMS is given Seconds 130 for min RMS value. If the register is 0, then the absolute min RMS is given	float float float float float float float unsigned short unsigned short unsigned short	R/W R/W R/W R/W R/W R/W R/W R/W R/W	1 0 0 0 0 0 10 50 15 0 0	40009 40011 40013 40015 40017 40019 40021 40023 40024 40025 40027
CT_Transducer_delay VT_Transducer_ratio VT_Transducer_ratio VT_Transducer_delay minimum_voltage_ripple minimum_power_ripple DC_Fitter AC_Filter minute_for_Max_demand seconds_for_mean_RMS seconds_for_min_RMS seconds_for_min_RMS Energy_unit_factor	9 → V1 Under-range If Input 1A/5A → Current transformer ratio WN (Ex: 600:5 → transducer_ratio = 120) If Input Rogowski / 333mV → (1 / Sensitivity) [A/V] (Ex: 100mV/1KA → transducer_ratio = 1000, 333mV/5A → transducer ratio = 15) Current transformer delay in [°] @ 50 Hz for accurate power calculation Voltage transformer ratio M/N - Default 1.0 (Ex: 1000:100 → transducer_ratio = 10) Voltage transformer ratio M/N - Default 1.0 (Ex: 1000:100 → transducer_ratio = 10) Voltage transformer delay in [°] @ 50 Hz for accurate power calculation Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value (P, Q, and S) Number of tenth seconds for I RMS value in DC Number of tenth seconds for I RMS value in DC Number of tenth seconds (0.30) for RMS average Seconds 1.30 for MAX RMS value. If the register is 0, then the absolute MAX RMS is given Seconds 1.30 for MAX RMS value. If the register is 0, then the absolute min RMS is given Variable for changing Energy measurement unit: 0 -> [Wh/10] 1 -> [Wh] 4 -> [Wh/1]	float float float float float float unsigned short unsigned short unsigned short unsigned short unsigned short unsigned short unsigned short	R/W R/W R/W R/W R/W R/W R/W R/W R/W R/W	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	40009 40011 40013 40015 40017 40029 40021 40023 40024 40025 40027 40028 40029 40030
CT_Transducer_delay VT_Transducer_ratio VT_Transducer_ratio VT_Transducer_delay minimum_voltage_ripple minimum_power_ripple DC_Fitter AC_Filter minute_for_Max_demand seconds_for_mean_RMS seconds_for_min_RMS seconds_for_min_RMS Energy_unit_factor	$9 \rightarrow V1$ Under-range If Input 1A/5A → Current transformer ratio M/N (Ex: 600:5 → transducer_ratio = 120) If Input Rogowski / 333mV → (1 / Sensitivity) [A/V] (Ex: 100mV/1KA → transducer_ratio = 10000, 333mV/5A → transducer_ratio = 15) Current transformer delay in ['] @ 50 Hz for accurate power calculation Voltage transformer delay in ['] @ 50 Hz for accurate power calculation Woltage transformer delay in ['] @ 50 Hz for accurate power calculation Woltage transformer delay in ['] @ 50 Hz for accurate power calculation Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value (P, Q, and S) Number of tenth seconds for I RMS value in DC Number of tenth seconds for I.30 for MAX RMS value. If the register is 0, then the absolute MAX RMS is given Seconds 1.30 for min RMS value. If the register is 0, then the absolute min RMS is given Variable for changing Energy measurement unit: 0 → [Wh/10] 1 → [Wh] 4 → [KWh] Float value Starting address for alarm (40361 V_L1_N, ecc)	float float float float float float unsigned short unsigned short unsigned short unsigned short unsigned short unsigned short unsigned short unsigned short unsigned short	R/W R/W R/W R/W R/W R/W R/W R/W R/W R/W	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	40009 40011 40013 40015 40017 40019 40021 40023 40024 40025 40027 40028 40029 40030
CT_Transducer_delay VT_Transducer_ratio VT_Transducer_ratio VT_Transducer_delay minimum_outrage_ripple minimum_current_ripple DC_Filter AC_Filter Max_demand seconds_for_mean_RMS seconds_for_MAX_RMS seconds_for_min_RMS Energy_unit_factor Alarm_Register_start_addres Alarm_trip_value	9 → V1 Under-range If Input 1A/5A → Current transformer ratio WN (Ex: 600:5 → transducer_ratio = 120) If Input Rogowski / 333mV → (1 / Sensitivity) [A/V] (Ex: 100mV/1KA → transducer_ratio = 1000, 333mV/5A → transducer ratio = 15) Current transformer delay in [°] @ 50 Hz for accurate power calculation Voltage transformer ratio M/N - Default 1.0 (Ex: 1000:100 → transducer_ratio = 10) Voltage transformer ratio M/N - Default 1.0 (Ex: 1000:100 → transducer_ratio = 10) Voltage transformer delay in [°] @ 50 Hz for accurate power calculation Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value (P, Q, and S) Number of tenth seconds for I RMS value in DC Number of tenth seconds for I RMS value in DC Number of tenth seconds (0.30) for RMS average Seconds 1.30 for MAX RMS value. If the register is 0, then the absolute MAX RMS is given Seconds 1.30 for MAX RMS value. If the register is 0, then the absolute min RMS is given Variable for changing Energy measurement unit: 0 -> [Wh/10] 1 -> [Wh] 4 -> [Wh/1]	float float float float float float unsigned short unsigned short unsigned short unsigned short unsigned short unsigned short unsigned short unsigned short unsigned short	R/W R/W R/W R/W R/W R/W R/W R/W R/W R/W	1 0 0 0 0 0 10 50 15 0 0 0 0 0 40361 0 0	40009 40011 40013 40017 40019 40021 40023 40024 40025 40025 40028 40029 40030 40030
CT_Transducer_delay VT_Transducer_ratio VT_Transducer_ratio VT_Transducer_delay minimum_ottage_ripple minimum_power_ripple DC_Fitter AC_Fitter minute_for_Max_demand seconds_for_mean_RMS seconds_for_min_RMS seconds_for_min_RMS Energy_unit_factor Alarm_Register_start_addres	9 → V1 Under-range If Input 1A/5A → Current transformer ratio WN (Ex: 600:5 → transducer_ratio = 120) If Input Rogowski / 333mV → (1 / Sensitivity) [A/V] (Ex: 100mV/1KA → transducer_ratio = 10000, 333mV/5A → transducer ratio = 15) Current transformer delay in [°] @ 50 Hz for accurate power calculation Voltage transformer ratio M/N - Default 1.0 (Ex: 1000:100 → transducer_ratio = 10) Voltage transformer ratio M/N - Default 1.0 (Ex: 1000:100 → transducer_ratio = 10) Voltage transformer delay in [°] @ 50 Hz for accurate power calculation Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value (P, Q, and S) Number of zero crossings for I RMS value in DC Number of zero crossings for I RMS value in AC Seconds 1.30 for MAX RMS value. If the register is 0, then the absolute MAX RMS is given Seconds 1.30 for min RMS value. If the register is 0, then the absolute MAX RMS is given Variable for changing Energy measurement unit: 0 ~ P(Wh/10] 1 ~> [Wh] 4 ~> [KWh] Float value Starting address for alarm (40361 V L1_N, ecc) Alarm Hysteresis	float float float float float float float unsigned short unsigned short unsigned short unsigned short unsigned short unsigned short unsigned short unsigned short float float	R/W R/W R/W R/W R/W R/W R/W R/W R/W R/W	1 0 0 0 0 0 0 0 0 0 0 0 0 0	40009 40011 40013 40015 40017 40029 40021 40023 40024 40027 40028 40029 40030 40030
CT_Transducer_delay VT_Transducer_ratio VT_Transducer_ratio VT_Transducer_delay minimum_outrage_ripple minimum_current_ripple DC_Filter AC_Filter Max_demand seconds_for_mean_RMS seconds_for_MAX_RMS seconds_for_min_RMS Energy_unit_factor Alarm_Register_start_addres Alarm_trip_value	9 → V1 Under-range If Input 1A/5A → Current transformer ratio WN (Ex: 600:5 → transducer_ratio = 120) If Input Rogowski / 333mV → (1 / Sensitivity) [A/V] (Ex: 100mV/1KA → transducer_ratio = 10000, 333mV/5A → transducer_ratio = 15) Current transformer delay in ["] @ 50 Hz for accurate power calculation Voltage transformer ratio M/N - Default 1.0 (Ex: 1000:100 → transducer_ratio = 10) Voltage transformer delay in ["] @ 50 Hz for accurate power calculation Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value Minimum threshold under which the instrument reads 0 independent from the input value (P, Q, and S) Number of zero crossings for I RMS value in DC Number of zero crossings for I RMS value. If MS value in AC Minute for Max demand calculation (045) Register in seconds (030) for RMS average Seconds 130 for min RMS value. If the register is 0, then the absolute MAX RMS is given Variable for changing Energy measurement unit: 0 -> [W/h] 1 -> [Wh] 4 -> [Wh] Float value Starting address for alarm (40361 V L1 N, ecc) Alarm Threshold for "closed" and "open" condition OR first alarm Threshold for "within threshold" and "Out	float float float float float float float unsigned short unsigned short unsigned short unsigned short unsigned short unsigned short unsigned short unsigned short	R/W R/W R/W R/W R/W R/W R/W R/W R/W R/W	1 0 0 0 0 0 10 50 15 0 0 0 0 0 40361 0 0	40009 40011 40013 40017 40019 40021 40023 40024 40025 40025 40028 40029 40030 40030





In the Addition open In the Addition open In the Addition open Interference Interference Interference	Register Name	Description	Register Type	R/W	Default	Modbus Address
bit 10 Noting energing August 10 August 10 August 10 bit 20 200 of table August 10 August 10 August 10 bit 20 200 of table August 10 August 10 August 10 bit 20 200 of table August 10 August 10 August 10 bit 20 200 of table August 10 August 10 August 10 bit 20 Conse Selfs for and a Gold August 10 August 10 August 10 August 10 Conse Selfs for and a Gold August 10 August 10 August 10 August 10 August 10 August 10 Conse Selfs for and a Gold August 10 Conse Selfs for and a Gold August 10 Augus	Status_1	bit 1: flash calibration error; bit 2: Current I1 Over Range; bit 3: Current I1 Under Range; bit 4.7: don't care; bit 8: Current V1 Over Range; bit 9: Current V1 Under Range; bit 10:.14: don't care; bit 10:.2ero crossing detecting;	unsigned long	R		
Beet command = 0.0140; Save elsey, command = 0.0040A unsigned shart RW Command Command = 0.0040 (ov/ FDgld Colput is enabled) number of the command = 0.0040 (ov/ FDgld Colput is enabled) RW 40254 Deet bakk Demand registers command = 0.0700 Command = 0.0040 (ov/ FDgld Colput is enabled) RW 40254 Own File Rest BAK Demand registers command = 0.0700 RW 40254 Own File Rest BAK Demand registers command = 0.0700 RW 40254 Own File Rest BAK Demand registers command = 0.0700 RW 40254 Own File Rest BAK Demand registers command = 0.0700 RW 40254 Own File Rest BAK Demand (NM Intell) signed Bong ung RW 40255 OWN Engine Colpacities Ensity (NM Intell) signed Bong ung RW 40255 VAR Ensity Colpacities Ensity (NM Intell) signed Bong ung RW 40255 VAR Ensity RM Intell signed Bong ung RW 40255 VAR Ensity Rest Ensity (NM Intell) signed Bong ung RW 40255 VAR Ensity Rest Ensity (NM Intell) signed Bong ung RW 40255		bit 16: Wh storing error; bit 1718: don't care; bit 19: Alarm detection; bit 2027: don't care; bit 28: Leading Power factor PF1; bit 2830: don't care;				40239
Oth Acke energy (Wh teth) spred fong long RW 42626 VMP. Magebb Ackew energy (Wh teth) spred fong long RW 42626 VMP. Magebb Ackew energy (Wh teth) spred fong long RW 42626 VMP. Magebb Ackew energy (Wh teth) spred fong long RW 42627 VMP. Indexities spred fong long RW 42628 VAR Indexities spred fong long RW 42629 VAR Indexities <	Command	Reset command = 0xC1A0; Save energy command = 0xBABA Close Switch command = 0xDAAA (only if Digital Output is enabled) Open Switch command = 0xDAAB (only if Digital Output is enabled) Enter Bootloader command = 0xB000	unsigned short	R/W		40244
With Plan Positive Active entry (With tenh) signed fong long in the Active entry (With tenh) signed long long in the Active entry (With tenh) signed long long in the Active entry (With tenh) signed long long in the Active	KWh		signed long long	R/W		
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CVARh Resche energy (VARh tenth] signed tonj tong RW 44283 CVARh Mediative Indexide analysis 44283 CVARh Appatient Resche energy (VARh tenth) signed tong tong RW 44283 CVARh Appatient Resche energy (VARh tenth) signed tong tong RW 44281 Na Appatient Resche energy (VARh tenth) signed tong tong RW 44381 An stroage count RMS star voltage (VAR) RMS 44381 An stroage count RMS star voltage (VAR) RMS 443935 CARS RMS reactive power (VAR) Roat R 443935 Sample Count RMS star voltage (VAR) Roat R 443935 CARS RMS reactive power (VAR) Roat R 443935 Sample Count Roat R 443935 <td>KWh_Neg</td> <td></td> <td></td> <td></td> <td></td> <td></td>	KWh_Neg					
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VAh Apparent energy (VAh tenh) 44341 Number O'Wh flash staving (every 20 seconds) unsigned long R 443357 / RNS incourrent (A) foat R 443357 / RNS incourrent (A) foat R 443357 / RNS incourrent (A) foat R 44335 / Cest Factor foat R 44042 / Ferguency Froguency (H) foat R 44042 / Pask current pask (A) 44043 44043 / Pask current pask (A) 44044 44047 / Fast foat R 44044 / Fast foat R 44044	KVARh_Inductive		signed long long			
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RMS line current [A] foat R 40275 P RMS aclue power [VA] foat R 40385 Cancel RMS reactive power [VA] foat R 40395 Cancel RMS reactive power [VA] foat R 40395 Cancel RMS reactive power [VA] foat R 40401 F Power Factor foat R 40401 F Over Factor foat R 40401 Frequency Frequency [H2] foat R 40417 peak Current peak [A] Foot 40417 40427 peak Current peak [A] Foot 40417 40427 peak Current peak [A] Foot 40417 40427 peak Current peak [A] Foot 40475 40475 foot R/W 40427 40475 40475 foot R/W 40467 40475 40475 foot R/W 40468 40487 40487 f. RMS And Star voltage MAR RMS (M over last "seconds for mAX, RMS" foat R 404687 f. RMS And RMS And X, RMS (A) (VAR RMS "seconds for MAX, RMS" foat R 404257 f. RMS Anin MAR RM	Wh_storage_count					
P RMS active power [VA] float R 40385 Q RMS reactive power [VA] float R 40385 S RMS apparent power [VA] float R 40393 S RMS apparent power [VA] float R 40393 S RMS apparent power [VA] float R 40493 FF Power Factor float R 40491 Frequency [Hz] float R 404927 peak Careft Pactor float RW 404937 peak Careft Pactor float RW 404937 peak Careft Pactor float R 404947 peak Careft Pactor float R 404947 freemain Temperature [C] float R 404947 NFT Target Mile Inductive, -capacitive) float R 404947 NFN Mark MS Size voltage Mile Pactor Pactor RANK / MS' float R 404935 NFT Ta	V					
2 RMS reactive power [VAR] foat R 440333 S RMS apparent power [VA] foat R 440409 FF Power Factor foat R 440409 FF Crest Factor foat R 440417 Frequency Frequency [Hz] foat R 440417 pask Star voltage pask (V) foat R 440417 pask current pask [A] foat R 440453 JPF Distorion Power Factor (+ inductive, - capacitive) foat R 440457 FMS AXS at voltage PAK [V] over seconds for man, RMS" foat R 440457 FMS AXS Star voltage MXS KMS [V] over its seconds for man, RMS" foat R 440457 FMS MAX Star voltage MX RMS [V] over its seconds for MAX, RMS" foat R 440453 FMS AVG RMS avarage [V] over 'ts seconds for man, RMS" foat R 440453 FMS AVG RMS avarage [V] over its "seconds for man, RMS" foat R 440453 FMS AVG RMS AVG RMS AVG R 440453 FMS AVG RMS AVG R 440453 R 440453 FMS AVG RMS AVG RAX RM						
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FF Crest Fador float R 40417 Torquency Frequency [F12] float R 40425 J peak Star voltage peak [V] float RW 40425 peak current peak [A] float RW 40425 Papek Distortion Power Factor (+ inductive, - capacitive) float R 40467 PAF Distortion Power Factor (+ inductive, - capacitive) float R 40467 TAN FI Tangentity (+ inductive, - capacitive) float R 40467 Tems Avo Cost Star voltage WAX Star voltage WAX serving (V over isst*seconds for mean RMS* float R 40468 T RMS AvG Star voltage WAX Star Volta	S					
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TAN FI Tangentig (+ inductive, - capacitive) float R 40475 Iremal Temperature Internal Temperature [C] float R 40485 Iremal XVC Star voltage MAS average [/] over 'seconds for mean RMS' float R 40485 Iremal XVC Star voltage MAR SMS [V] over last 'seconds for min RMS' float R 40489 Iremal XVC RMS Avax MAX CMS [A] over last 'seconds for mean RMS' float R 40451 RMS MAX MAX RMS [A] over last 'seconds for mean RMS' float R 404537 RMS MAX MAX RMS [A] over last 'seconds for mean RMS' float R 405537 RMS MAX MAX RMS [A] over last 'seconds for mean RMS' float R 405537 RMS MAX PMAX RMS [A] over last 'seconds for MAX RMS' float R 405537 SMAX OV P RMS average [A] over 'seconds for man RMS' float R 40555 S RMS AVG O RMS average [A] over 'seconds for man RMS' float R 40556 S RMS AVG O RMS average [A] over 'seconds for man RMS' float R 40569 S RMS AVG O RMS RMS [A] over last 'seconds for man RMS' float R 40569 S RMS AVG O RMS RMS [A] over last 'seconds for man RMS'<						
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I, RNS, AVG Star voltage RMS average [A] over last seconds for MAX RNS? float R 40487 I, RNS, MAX Star voltage MAX RNS [V] over last seconds for min RMS' float R 40489 I, RNS, MAX Star voltage Min RMS [V] over last seconds for min RMS' float R 40493 RMS, MAX MAX RMS [A] over last seconds for MAX RMS' float R 40535 RMS, MAX MAX RMS [A] over last seconds for min RMS' float R 40535 RMS, MAX MAX RMS [A] over last seconds for max RMS' float R 405539 RMS, MAX P MAX RMS [A] over last seconds for max RMS' float R 405567 RMS, MAX P MAX RMS [A] over last seconds for min RMS' float R 405567 RMS, MAX P MAX RMS [A] over last seconds for min RMS' float R 405567 RMS, MAX Q MAX RMS [A] over last seconds for min RMS' float R 40559 RMS, MAX Q MAX RMS [A] over last seconds for min RMS' float R 40559 RMS, MAX Q MAX RMS [A] over last seconds for min RMS' float R 40553 RMS, MAX Q M						
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P.RMS_AVG P.RMS average [A] over 'seconds for mean RMS' float R 40565 P.RMS_MAX P.MAX RMS [A] over last 'seconds for min RMS' float R 40567 P.RMS_min P.MIR RMS [A] over 'last 'seconds for run RMS' float R 40569 P.RMS_MG Q.RMS average [A] over 'seconds for run RMS' float R 40589 D.RMS_MAX Q.MAX RMS [A] over last 'seconds for run RMS' float R 40591 D.RMS_MAX Q.MAX RMS [A] over last 'seconds for run RMS' float R 40593 D.RMS_MAX S.MAX RMS [A] over last 'seconds for run RMS' float R 40613 S.RMS_MAX S.MAX RMS [A] over last 'seconds for run RMS' float R 40613 S.RMS_min S.MAX RMS [A] over last 'seconds for run RMS' float R 40613 S.RMS_MAX S.MAX RMS [A] over last 'seconds for run RMS' float R 40613 S.RMS_MAX D.F.RMS_AVG PF.RMS_AVG PF.RMS_AVG PF.RMS_AVG 40643 PF.RMS_NAX PF.RMS_MAX PF.MAX RMS [A] over last 'seconds for run RMS' float R 40637 P.RMS_MAX	IRMS_MAX		float			
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P_RMS_minP Min RMS [Å] over last"seconds for min_RMS"floatR40569Q RMS_AVGQ RMS average [Å] over "seconds for mean RMS"floatR40589Q RMS_MAXQ MAX RMS [Å] over last "seconds for JMAX RMS"floatR40591Q RMS_minQ Min RMS [Å] over last"seconds for min_RMS"floatR40593RMS_MAXS MAX RMS [Å] over last"seconds for man_RMS"floatR40613RMS_MAXS MAX RMS [Å] over last"seconds for man_RMS"floatR40613S RMS_RMS [Å] over last"seconds for MAX RMS"floatR40617F_RMS_MAXS MAX RMS [Å] over last"seconds for man_RMS"floatR40617F_RMS_AVGPF RMS average [Å] over "seconds for man_RMS"floatR40637F_RMS_MAXPF MAX RMS [Å] over last "seconds for man_RMS"floatR40637F_RMS_MAXPF MAX RMS [Å] over last "seconds for man_RMS"floatR40637F_RMS_MAXPF MAX RMS [Å] over last "seconds for man_RMS"floatR40637JonardonTime above threshold specified in "Power_Threshold for exceedings" for Active Power P [min]floatR40641Time over_thresholdTime above threshold specified in "Power_Threshold for exceedings" for Active Power P [min]floatR406617JMAXDemand over 15minutes for P for current monthfloatR406677406677C factorK-factor for I, see IEEE Standard 1100-1992floatR406692GavRTC : month (1-12)unsigned						
P.RMS_AVG Q.RMS average [A] over "seconds for mean RMS" float R 40589 Q.RMS_MAX Q.MAX RMS [A] over last "seconds for min RMS" float R 40593 Q.RMS_min Q.Min RMS [A] over last "seconds for min RMS" float R 40613 S.RMS_AVG S.RMS average [A] over "seconds for mean RMS" float R 40613 S.RMS_MAX S.RMS Average [A] over last "seconds for mean RMS" float R 40613 S.RMS_MAX S.MAX RMS [A] over last "seconds for mean RMS" float R 40613 S.RMS_MAX S.Min RMS [A] over last "seconds for mean RMS" float R 40617 P.R.RS_AVG P.F.RMS_average [A] over "seconds for mean RMS" float R 40637 P.R.RS_AVG P.F.MAX RMS [A] over last "seconds for min RMS" float R 40637 P.F.RMS_MAX P.F.MAX RMS [A] over last "seconds for min RMS" float R 40637 P.F.RMS_MAX P.F.MAX RMS [A] over last "seconds for min RMS" float R 40637 P.F.RMS_MAX P.F.MAX RMS [A] over last "seconds for min RMS" float R 40641 P.T.MAX RMS [A] over l						
PMS_MAXQ MAX RMS [A] over last "seconds for MAX RMS"floatR40591Q RMS_minQ Min RMS [A] over last "seconds for man RMS"floatR40613S RMS_VGS RMS average [A] over "seconds, for man RMS"floatR40613S RMS_MAXS MAX RMS [A] over last "seconds for man RMS"floatR40615S RMS_MAXS MAX RMS [A] over last "seconds for man RMS"floatR40617F_RMS_AVGPF RMS average [A] over "seconds for man RMS"floatR40617F_RMS_MGPF RMS average [A] over "seconds for man RMS"floatR40639PF_RMS_MAXPF MAX RMS [A] over last "seconds for man RMS"floatR40639PF_RMS_MAXPF Min RMS [A] over last "seconds for man RMS"floatR40639PF_RMS_minPF Min RMS [A] over last "seconds for man RMS"floatR40639PF_RMS_minPF Min RMS [A] over last "seconds for min RMS"floatR40641maxDemandTime above threshold specified in "Power_Threshold for exceedings" for Active Power P [min]floatR40661maxDemandMax Demand over 15minutes for P for current month (month day hour minutes)unsigned shortRW40685GractorK-factor for I, see IEEE Standard 1100-1992floatR406617406657GoatRTC : wonth (1-12)unsigned shortRW4069340693MonthRTC : month (1-31)unsigned shortRW40693GoatRTC : hour (0-23)unsig						
Q_RMS_minQ_Min RMS [Å] over last "seconds for min_RMS"floatR40593G_RMS_AVGS_RMS_average [Å] over "seconds for mean_RMS"floatR40613G_RMS_MAXS_MAX RMS [Å] over last "seconds for min_RMS"floatR40615G_RMS_minS_Min RMS [Å] over last "seconds for mean_RMS"floatR40617PF_RMS_AVGPF RMS average [Å] over 'seconds for mean_RMS"floatR40617PF_RMS_MAXPF MAX RMS [Å] over last "seconds for mean_RMS"floatR40637PF_RMS_MAXPF MAX RMS [Å] over last "seconds for mean_RMS"floatR40631PF_RMS_minPF Min RMS [Å] over last "seconds for min_RMS"floatR40631PF_RMS_minPF MAX RMS [Å] over last "seconds for min_RMS"floatR40631PF_RMS_minPF Min RMS [Å] over last "seconds for pin_RMS"floatR40641Pf_RMS_minPF MAX RMS [Å] over last "seconds for pin_RMS"floatR40641P_RMS_minPF MAX RMS [Å] over last "seconds for pin_RMS"floatR40641P_RMS_mandMax Demand over 15minutes for P for current monthfloatR40641MaxDemandTime above threshold specified in "Power_Threshold for_exceedings" for Active Power P [min]floatR40661MaxDemandTime above threshold specified in "Power_Threshold for exceedings" for Active Power P [min]floatR40661MaxDemandMax Demand over 15minutes for P for current month (month day hour minutes)unsigned lontR						
RMS_AVGS RMS average [A] over "seconds_for_mean_RMS"floatR40613S RMS_MAXS MAX RMS [A] over last "seconds_for_MAX_RMS"floatR40617S RMS_minS Min RMS [A] over last "seconds_for_mean_RMS"floatR40617PF_RMS_AVGPF RMS average [A] over "seconds_for_mean_RMS"floatR40637PF_RMS_MAXPF MAX RMS [A] over last "seconds_for_mean_RMS"floatR40637PF_RMS_MAXPF MAX RMS [A] over last "seconds_for_mean_RMS"floatR40637PF_RMS_minPF Min RMS [A] over last "seconds_for_min_RMS"floatR40631PF_RMS_minPF Min RMS [A] over last "seconds_for_min_RMS"floatR40631PT_meover_thresholdTime above threshold specified in "Power_Threshold for_exceedings" for Active Power P [min]floatR40661P_MaxDemandMax Demand over 15minutes for P for current monthfloatR40661P_MaxDemandIme at which arises Max Demand over 15minutes for P for current month (month day hour minutes)unsigned longR40665VearRTC : year (2000-2009)unsigned shortRW4069140691MonthRTC : month (1-12)unsigned shortRW40693OayRTC : day month (1-31)unsigned shortRW40693HourRTC : month (1-31)unsigned shortRW40693HourRTC : month (0-59)unsigned shortRW40694MinuteRTC : month (0-59)unsigned shortRW						
RMS_MAX S MAX RMS [Å] over last "seconds for MAX_RMS" float R 40615 S RMS_min S Min RMS [Å] over last "seconds for min RMS" float R 40617 PF_RMS_AVG PF RMS average [Å] over 'seconds for mean RMS" float R 40637 PF_RMS_MAX PF MAX RMS [Å] over last "seconds for mean RMS" float R 40637 PF_RMS_MAX PF MAX RMS [Å] over last "seconds for MAX_RMS" float R 40639 PF_RMS_min PF Min RMS [Å] over last "seconds for min RMS" float R 40641 _Time_over_threshold Time above threshold specified in "Power Threshold for exceedings" for Active Power P [min] float R 40661 _MaxDemand Max Demand over 15minutes for P for current month float R 406619 _MaxDemand Time at which arises Max Demand over 15minutes for P for current month (month day hour minutes) unsigned long R 40655 C factor K-factor for I, see IEEE Standard 1100-1992 float R 40651 Year RTC : year (2000-2099) unsigned short R/W 40659 Year RTC : wonth (1-12) unsigned short R/W						
S_RMS_min S Min RMS [Å] over last"seconds_for_min_RMS" float R 40617 PF_RMS_AVG PF RMS average [Å] over "seconds_for_mean_RMS" float R 40639 PF_RMS_min PF Min RMS [Å] over last "seconds_for_min_RMS" float R 40639 PF_RMS_min PF Min RMS [Å] over last "seconds_for_min_RMS" float R 40641 P_TMS_over_threshold Time above threshold specified in "Power_Threshold for_exceedings" for Active Power P [min] float R 40641 P_TMA_Demand Max Demand over 15minutes for P for current month float R 40661 _maxDemand Time above threshold specified in "Power_Threshold for_exceedings" for Active Power P [min] float R 40661 _maxDemand Max Demand over 15minutes for P for current month float R 40661 _maxDemand Time at which arises Max Demand over 15minutes for P for current month (month day hour minutes) unsigned long R 406677 C_factor K-factor for I, see IEEE Standard 1100-1992 float R 40685 40685 Year RTC : year (2000-2099) Unsigned short R/W 40693 40691 Mo						
PF_RMS_AVG PF RMS average [A] over "seconds for mean RMS" float R 40637 PF_RMS_MAX PF MAX RMS [A] over last "seconds for MAX RMS" float R 40631 PF_RMS_min PF Min RMS [A] over last "seconds for min RMS" float R 40641 Time_over_threshold Time above threshold specified in "Power Threshold for_exceedings" for Active Power P [min] float R 40661 _MaxDemand Max Demand over 15minutes for P for current month float R 406691 _MaxDemand Time above threshold specified in "Power Threshold for_exceedings" for Active Power P [min] float R 40661 _MaxDemand Max Demand over 15minutes for P for current month float R 40669 _C factor K-factor for I, see IEEE Standard 1100-1992 float R 40685 {fear RTC : year (2000-2099) unsigned short RW 40693 Month RTC : month (1-12) unsigned short RW 40693 Joar RTC : day month (1-31) unsigned short RW 40693 Jour RTC : hour (0-23) unsigned short RW 40693 Minute						
PF_RMS_MAX PF MAX RMS [A] over last "seconds for _MAX_RMS" float R 40639 Pr_RMS_min PF Min RMS [A] over last "seconds for _min_RMS" float R 40641 P_Time_over threshold specified in "Power Threshold for exceedings" for Active Power P [min] float R 40649 P_MaxDemand Max Demand over 15minutes for P for current month float R 40669 P_MaxDemand Time at which arises Max Demand over 15minutes for P for current month (month day hour minutes) unsigned long R 40669 C_factor K-factor for I, see IEEE Standard 1100-1992 float R 40685 (ear RTC : year (2000-2099) unsigned short R/W 40691 Month RTC : month (1-12) unsigned short R/W 40693 Oay RTC : month (1-31) unsigned short R/W 40694 Minute RTC : month (0-23) unsigned short R/W 40693 Seconds RTC : second (0-59) unsigned short R/W 40694 Minute RTC : minute (0-59) unsigned short R/W 40694 Minute RTC : minute (0-59) unsign	PF_RMS_AVG					
PF_RMS_min PF Min RMS [A] over last"seconds for min RMS" float R 40641 _Time_over_threshold Time above threshold specified in "Power_Threshold for exceedings" for Active Power P [min] float R 40641 _Time_over_threshold Max Demand over 15minutes for P for current month float R 40669 _Time_over_threshold Time at which arises Max Demand over 15minutes for P for current month (month day hour minutes) unsigned long R 40677 C_factor K-factor for I, see IEEE Standard 1100-1992 float R 40685 Fear RTC : year (2000-2099) unsigned short R/W 40693 Month RTC : wonth (1-12) unsigned short R/W 40693 Joar RTC : chour (0-23) unsigned short R/W 40693 Hour RTC : minute (0-59) unsigned short R/W 40693 Seconds RTC : second (0-59) unsigned short R/W 40693 Hour RTC : minute (0-59) unsigned short R/W 40693 Hour RTC : minute (0-59) unsigned short R/W 40694 Minute RTC : minute (0	PF_RMS_MAX	PF MAX RMS [A] over last "seconds_for_MAX_RMS"	float	R		
P_MaxDemand Max Demand over 15minutes for P for current month float R 40669 rime_of P_MaxDemand Time at which arises Max Demand over 15minutes for P for current month (month day hour minutes) unsigned long R 40669 C factor K-factor for I, see IEEE Standard 1100-1992 float R 40675 Cear RTC : year (2000-2099) unsigned short R/W 40691 Month RTC : month (1-12) unsigned short R/W 40693 Oay RTC : day month (1-31) unsigned short R/W 40694 Hour RTC : hour (0-23) unsigned short R/W 40694 Vinute RTC : minute (0-59) unsigned short R/W 40694 Vinute RTC : second (0-59) unsigned short R/W 40694 Vinute RTC : second (0-59) unsigned short R/W 40696 Vinute RTC : second (0-59) float R 40697	PF_RMS_min		float	R		
Time_of_P_MaxDemand Time at which arises Max Demand over 15minutes for P for current month (month day hour minutes) unsigned long R 40677 C_factor K-factor for 1, see IEEE Standard 1100-1992 float R 40685 (Factor RTC : year (2000-2099) unsigned short R/W 40692 Wonth RTC : month (1-12) unsigned short R/W 40693 Oay RTC : day month (1-31) unsigned short R/W 40694 Minute RTC : minute (0-59) unsigned short R/W 40694 Seconds RTC : second (0-59) unsigned short R/W 406954 VMD THD Star Voltage float R 406954						
K-factor for I, see IEEE Standard 1100-1992 float R 40685 Year RTC : year (2000-2099) unsigned short R/W 40691 Wonth RTC : month (1-12) unsigned short R/W 40692 Jay RTC : day month (1-31) unsigned short R/W 40693 Hour RTC : hour (0-23) unsigned short R/W 40694 Winute RTC : minute (0-59) unsigned short R/W 40695 Seconds RTC : second (0-59) unsigned short R/W 406966 HD_V THD Star Voltage float R 40697						
Vear RTC : year (2000-2099) unsigned short R/W 40691 Month RTC : month (1-12) unsigned short R/W 40692 Day RTC : day month (1-31) unsigned short R/W 40693 Hour RTC : hour (0-23) unsigned short R/W 40694 Minute RTC : minute (0-59) unsigned short R/W 40694 Seconds RTC : second (0-59) unsigned short R/W 40696 HD_V THD Star Voltage float R 40697						
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Winute RTC : minute (0-59) unsigned short R/W 40695 Seconds RTC : second (0-59) unsigned short R/W 40696 IFHD_V THD Star Voltage float R 40697						
Seconds RTC : second (0-59) unsigned short R/W 40696 ITHD_V THD Star Voltage float R 40697						
THD_V THD Star Voltage float R 40697						
	THD_I					
	TDD_I					