

PSE 9000 register list for devices with KE firmware from V2.19 (check the installed version in your device's MENU in item ABOUT HW, SW)

Modbus address						Access	Data type	Data length in bytes	Number of registers	Data	Example	Profibus slot / Profinet subslot	Profibus/Profinet index in slot
Read coils (0x01)	Read holding registers (0x03)	Write single coil (0x05)	Write single register (0x06)	Write multiple registers (0x10)									
0	x					R	uint(16)	2	1		43 = PSE 9000 Series	1	0
1	x					R	char	40	20	ASCII	PSE 9080-170	1	1
21	x					R	char	40	20	ASCII		1	2
41	x					R	char	40	20	ASCII		1	3
61	x					R	char	40	20	ASCII		1	4
81	x					R	char	40	20	ASCII		1	5
101	x					R	char	40	20	ASCII		1	6
121	x					R	float	4	2	Floating point number IEEE754	80	1	7
123	x					R	float	4	2	Floating point number IEEE754	170	1	8
125	x					R	float	4	2	Floating point number IEEE754	3500	1	9
131	x					R	char	40	20	ASCII	06230700	1	12
151	x					R	char	40	20	ASCII	100010002	1	13
171	x			x		RW	char	40	20	ASCII		1	14
191	x					R	char	40	20	ASCII	V2.01 11.02.2016	1	15
211	x					R	char	40	20	ASCII	V2.05 11.02.2016	1	16
231	x					R	char	40	20	ASCII	V1.0.18 02.10.2014	1	17
402	x		x			RW	uint(16)	2	1	Coils : Remote	0x0000 = off; 0xFF00 = on	2	1
405	x		x			RW	uint(16)	2	1	Coils : output	0x0000 = off; 0xFF00 = on	2	4
407	x		x			RW	uint(16)	2	1	Coils : Auto-On	0x0000 = off; 0xFF00 = auto-on	3	30
408	x			x		RW	uint(16)	2	1	Reg : Power-On	0xFFFF = off; 0xFFFE = restore	2	6
410		x				W	uint(16)	2	1	Coils : Restart	0xFF00 = execute	2	8
411			x			W	uint(16)	2	1	Coils : Alarms	0xFF00 = acknowledge	2	9
416	x		x			RW	uint(16)	2	1	Coils : VREF	0x0000 = 10V; 0xFF00 = 5V	2	14
417	x		x			RW	uint(16)	2	1	Coils : REM-SB Level	0x0000 = normal; 0xFF00 = inverted	2	36
418			x			W	uint(16)	2	1	Coils : REM-SB Action	0x0000 = DC off; 0xFF00 = DC auto	2	37
500	x			x		RW	uint(16)	2	1	0x0000 - 0xD0E5 (0 - 102%)	Voltage value (for translation see programming guide)	2	23
501	x			x		RW	uint(16)	2	1	0x0000 - 0xD0E5 (0 - 102%)	Current value (for translation see programming guide) / Irradiation	2	24
502	x			x		RW	uint(16)	2	1	0x0000 - 0xD0E5 (0 - 102%)	Power value (for translation see programming guide)	2	25
505		x				R	uint(32)	4	2	Bit 0-4: Control location Bit 5 : - Bit 6 : Master-slave type Bit 7 : Output state Bit 8 : - Bit 9-10: Regulation mode Bit 12-11 : - Bit 13 : Function mode Bit 14 : External sense Bit 15 : Alarms Bit 16 : OVP Bit 17 : OCP Bit 18 : OPP Bit 19 : OT Bit 20 : OTpre Bit 21 : Power fail 1 Bit 22 : Power fail 2 Bit 23 : Power fail 3 Bit 24 : UVD Bit 25 : OVD Bit 26 : UCD Bit 27 : OCD Bit 28 : OPD Bit 29 : MSS Bit 30 : REM-SB	0x00 = free; 0x01 = local; 0x03 = USB; 0x04 = analog; 0x05 = Profibus; 0x06 = Ethernet; 0x08 = Master/Slave; 0x09 = RS232; 0x10 = CANopen; 0x12 = Modbus TCP 1P; 0x13 = Profinet 1P; 0x14 = Ethernet 1P; 0x15 = Ethernet 2P; 0x16 = Modbus TCP 2P; 0x17 = Profinet 2P; 0x19 = CAN 0 = Slave; 1 = Master 0 = off; 1 = on 00 = CV; 01 = CR; 10 = CC; 11 = CP 0 = off; 1 = on 0 = off; 1 = on 0 = none; 1 = active 0 = none		