

DADAPOWER Modbus Registers V1.0							
Variable		Data type	Bytes	ModBus 16bit registers	Modbus Register Start	Unit	Comments
Read = Function 04 Read Input Registers							
Write = Function 06 Write Single Register / Function 16 Write Multiple Registers							
ProtocolVersion	R	uint16	2	1	100	1	
ConnectorsCount	R	uint16	2	1	101	1 / 2	
FailsafeTimeout	R/W	uint16	2	1	102	S	
ChargingStationError	R	uint32	4	2	103	ErrCode	
RemoteLock	R	uint16	2	1	104	bool	
ModellID	R	uint16	2	1	105	Code	
SerialNumber	R	[12]byte	12	6	106	Text	
FirmwareVersion	R	[12]byte	12	6	112	Text	
ChargingAllowed	R/W	uint16	2	1	1000	0 / not 0	true - if any data other than zero
ChargeCurrentLimit	R/W	uint16	2	1	1001	A/100	
ActivePhases	R/W	uint16	2	1	1002	3 / not 3	config UseThreePhases = true if data = 0x03
L1voltage	R	uint16	2	1	1003	V/100	
L2voltage	R	uint16	2	1	1004	V/100	
L3voltage	R	uint16	2	1	1005	V/100	
L1current	R	int16	2	1	1006	A/100	
L2current	R	int16	2	1	1007	A/100	
L3current	R	int16	2	1	1008	A/100	
ActiveEnergy	R	int32	4	2	1009	Wh	
MinChargeCurrent	R	uint16	2	1	1011	A	
MaxChargeCurrent	R	uint16	2	1	1012	A	
MinDischargeCurrent	R	uint16	2	1	1013	A	
MaxDischargeCurrent	R	uint16	2	1	1014	A	
ChargingPortState	R	uint16	2	1	1015		
PlugState	R	uint16	2	1	1016		0x0A 0x0B 0x0C 0x0D
EnergyImportSession	R	uint64	8	4	1017	Wh	
EnergyExportSession	R	uint64	8	4	1021	Wh	
EnergyImportTotal	R	uint64	8	4	1025	Wh	
EnergyExportTotal	R	uint64	8	4	1029	Wh	
BatteryCapacity	R	uint32	4	2	1033	Wh	
StateOfCharge	R	uint16	2	1	1035	%	
FailsafeChargeCurrent	R/W	uint16	2	1	1036	A	
FailsafeDischargeCurrent	R/W	uint16	2	1	1037	A	
ChargePortError	R	uint32	4	2	1038	ErrCode	
Identification	R	[40]byte	40	20	1040	Text	
ModellID					0		Unknown
					1		DADA-Premium-Single-Wallbox-11
					2		DADA-Premium-Dual-Wallbox-11
					3		DADA-Premium-Single-Wallbox-22
					4		DADA-Premium-Dual-Wallbox-22
ChargePortError					0x00		NoError
					0x01		ConnectorLockFailure
					0x02		EVCommunicationError
					0x03		GroundFailure
					0x04		HighTemperature
					0x05		InternalError
					0x06		LocalListConflict
					0x07		OtherError
					0x08		OverCurrentFailure
					0x09		OverVoltage
					0x0A		PowerMeterFailure
					0x0B		PowerSwitchFailure
					0x0C		ReaderFailure
					0x0D		ResetFailure
					0x0E		UnderVoltage

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					0x0F		WeakSignal
ChargingPortState					0x00		Available
					0x01		Unavailable
					0x02		Connected
					0x03		Authorization
					0x04		SelfTest
					0x05		WaitForCar
					0x06		Charging
					0x07		FinishedByStation
					0x08		FinishedByCar
					0x09		Reserved
					0x0A		Blocked
					0x0B		Faulted
					0x0C		Synchronization