

	Phase C Active Energy	kWh	Legal Metering	Primary Genset SCADA	5-10 sec	5 minutes . Storage of 5-minute mean values
1	P_AC	16 Bits		1 kW		The active power measured on the AC side
2	Q_AC	16 Bits		1 kVar		The reactive power measured on the AC side
3	PF_AC	16 Bits		-1..1		The power factor measured on the AC side
4	V_RMS_AC	16 Bits		1 V		The effective value of the 3 Ph converter voltage
5	I_RMS_AC	16 Bits		1 Amp		The effective value of the 3 Ph converter current
6	P_DC_DIS_MAX	16 Bits		1 kW		The maximum Discharge DC Power available
7	P_DC_CHA_MAX	16 Bits		1 kW		The maximum Charge DC Power available
8	P_DC	16 Bits		1 kW		The active power measured from MBMM on the DC side
9	Battery SoC	16 Bits		0,1%		The current battery state of charge (0 = Empty; 100 = Full)
10		16 Bits				
11		16 Bits				
12		16 Bits				
13		16 Bits				
14		16 Bits				
15		16 Bits				
16		16 Bits				

ID	Name	Resolution	Unit	Description
1	Ready	1 Bit	ON-OFF	Main breaker is closed and the system is ready to implement references
2	Operating	1 Bit	ON-OFF	System is operating with references
3	Error	1 Bit	ON-OFF	System error
4	Emergency_Stoped	1 Bit	ON-OFF	Main breaker is open (required by ENDESA or internal error)
5	P_mode_Po	1 Bit	ON-OFF	Active power mode: Active power setpoint mode
6	P_mode_P/F	1 Bit	ON-OFF	Active power mode: Active power / frequency mode
7	Q_mode_Qo	1 Bit	ON-OFF	Reactive power mode: Reactive power setpoint mode
8	Q_mode_Q/V	1 Bit	ON-OFF	Reactive power mode: Reactive power / voltage mode
9	Q_mode_P/F	1 Bit	ON-OFF	Reactive power mode: power factor mode
10	Permanent mode	1 Bit	ON-OFF	(Refer to P.O.12.2 Permanent and disturbance modes)
11	Disturbance mode	1 Bit	ON-OFF	(Refer to P.O.12.2 Permanent and disturbance modes)
12	Local	1 Bit	ON-OFF	Operate with local references
13	Remote	1 Bit	ON-OFF	Operate with ENDESA PLC references
14	HMI	1 Bit	ON-OFF	Operate with ENDESA HMI-SCADA references
15	PCS Alarm	1 Bit	ON-OFF	PCS Alarm
16	Battery Alarm	1 Bit	ON-OFF	Battery Alarm