

## DDS686(QBM11) Series Electronic Meter



### 1 Overview

DDS686 (QBM11-1):

1. Bidirectional measurement of active energy
2. LED impulse output for calibration
3. Data reserved over 100 years under power off

DDS686(QBM11-2)

1. Bidirectional measurement of active energy
2. LED impulse output for calibration
3. Data reserved over 100 years under power off
4. Adopts anti-magnetic anti-reverse register
5. Extension terminals cover, in order to protect to use safety

### 2 Technical parameters

Specification		DDS686(QBM11-1)	DDS686(QBM11-2)
Standards		IEC 62052-11:2003	IEC 62053-21:2003
Accuracy	Active	1.0	1.0, 0.5
voltage	Rated current	127V, 230V	127V, 230V
	Range	0.8Un-1.2Un	0.8Un-1.2Un
	Limit	1.7Un-1.3 Un	1.7Un-1.3 Un
Frequency		50Hz/60Hz	50Hz/60Hz
Current	Range	5(30)A,5(60)A,10(100)A	5(20)A,10(40)A,20(800)A
Starting Current		0.4%Ib	0.4%Ib
Constant	Active	3200,1600,800 imp /KWh	3200,1600,800 imp /KWh
Display	Type	Register	Register
	Digit	5+1,6+0,6+1	5+1,6+0,6+1
Power Consumption	Voltage Circuit	≤1.0W,10VA	≤1.0W,10VA
	Current Circuit	≤1VA	≤1VA
Communication	Interface	\	\
Temperature Condition	Work Temperature	-25°C~+55°C	-25°C~+55°C
	Storage Temperature	-35°C~+70°C	-35°C~+70°C
Humidity		≤85°C	≤85°C
IP grade		IP51	IP51
Dimension		160×112×60mm	210×141×61mm
Weight	Net weight	0.5kg	0.8 kg
	Weight	1.0kg	1.2 kg

## DDS686(QBM12) Series Electronic Meter

### 1 Overview

DDS686  
(QBM12-1)



DDS686  
(QBM12-2)



DDS686(QBM12-1)/(QBM12-2)

1. Bidirectional measurement of active energy
2. Extension terminals cover, in order to protect to use safety
3. Standard: BREBP publication: 379.1999, Revision: 8, Date: September, 2014
4. LED lights: Power, Pulse, Tamper, Reverse
5. 8 digits display energy, 7 digits for serial No. and instant value measurement
6. Maximum demand: monthly billing, Billing date/time set up
7. Supply more tamper type, Neutral line sensor for tampering-proof, Detecting bypass, neutral line earthed, etc.
8. Neutral Missing start power: 10W
9. Instantaneous value measurement (kW, V, A, kVA, kVar, Cos, Hz)
10. Display readable without main power (RWP)
11. LCD backlight to increase readability in low light conditions

### 2 Technical parameters

Specification		DDS686(QBM12-1)	DDS686(QBM12-2)
Standards		IEC 62052-11:2003	IEC 62053-21:2003
Accuracy	Active	1.0	1.0, 0.5
voltage	Rated current	230V	230V
	Range	0.8Un-1.2Un	0.8Un-1.2Un
	Limit	1.7Un-1.3 Un	1.7Un-1.3 Un
Frequency		50Hz	50Hz
Current	Range	10(60)A	10(60)A
Starting Current		0.4%Ib	0.4%Ib
Constant	Active	1600imp/KWh	1600imp/KWh
Display	Type	LCD	LCD
	Digit	6+2+7	6+2+8
Power Consumption	Voltage Circuit	≤1.0W, 10VA	≤1.0W, 10VA
	Current Circuit	≤1VA	≤1VA
Communication	Interface	\	\
Temperature Condition	Work Temperature	-25 C ~+55 C	-25 C ~+55 C
	Storage Temperature	-35 C ~+70 C	-35 C ~+70 C
Humidity		≤85 C	≤85 C
IP grade		IP51	IP51
Dimension		160×112×60mm	210×141×61mm
Weight	Net weight	0.5kg	0.8 kg
	Weight	1.0kg	1.2 kg