

# EM18

## Single Phase Keypad pre-paid energy meter



Operation Mode: Postpaid /Prepaid

20 digit STS encryption,no need IC card

No credit ,load swith disconnect, load purchased energy credit automatically restore the power supply

Programmable load limit and low credit warning

Tamper detection and event log : terminal&upper cover open, reverse current, overload ,Line and neutral current unbalance,Magnetic tamper

Detect power grid parameters including Voltage, Ampere, kW, PF, Hz etc.

Active Max Demand metering

TOU metering

Daily/Monthly Frozen recording

Support several communication ways (RS485/LAN/WAN port)

Split PLC prepayment option



### Characteristics

Meter display item	Total electricity consumption,residual credit,data,time,Meter ID
Current	5(100)A
Rated voltage	230V
Frequency (Hz)	50 or 60Hz
Power consumption of current circuits(VA)	< 2.5VA
Power consumption of voltage circuits(W)	< 1.5W
Current terminals flexible 1×mm <sup>2</sup>	0-16mm <sup>2</sup>
another terminal flexible 1×mm <sup>2</sup>	0-2.5mm <sup>2</sup>
Relay	100A
Light status	Pulse light,Alarm light,Credit light,Relay trip light
Real-time clock accuracy	< 5 ppm

### LCD specifications

LCD type	Wide-temperature range LCD display
Display character of data item	8 digiits include 6 integer digits and 2 decimal digits
Display character digits of data ID	3 digits

### Comms

IR optical comm. Port	FLAG(IEC62056-21)
Build-in communication	RS485
Pluggable communication module	PLC,RF,GPRS

<b>Dimension</b>	
Width (mm)	130
Height (mm)	208
Depth (mm)	77
<b>Environmental</b>	
Operating temperature	-25°C - +65°C
Storage temperature	-40°C - +70°C