

Digital Energy Meters

# metator *Tango*

Three Phase Energy Meter



[www.bbs.com.sg](http://www.bbs.com.sg)

# metator *Tango*

## Features

- Class 1, as per IEC62053-21 and -61
- Three Phase 3 wire, or 4 wire operation
- Active Energy
- Reactive Energy
- Line Voltage
- Line Current
- Line Frequency
- Power Factor
- Scrolling Display
- Rising Demand
- Maximum Demand Intergration
- Real Time Clock
- Multi-tariff & Seasonal Data
- Event Storage
- Load Profile
- Monthly Billing
- RS232 Port
- IR Port
- Pulse Output on Terminal Block
- Reverse Current Detection
- Current Imbalance Detection



### Mechanical Data

Overall dimension	275mm X 173mm X 76mm
Fascia plate	Hinged transparent cover
Printing on fascia plate	As per customer requirement
Meter cover seal	Three sealable screws Factory sealed
Terminal cover seal	Two sealable screw, Field sealable

Specifications	
Model variant	MT35404A, MT35404P, MT35404R
Main Parameters	
Key feature	Two/four quadrant operation
Display	LCD
Class of operation	1.0 & 2.0
Standards	IEC62053-21 & IEC62053-61
Wiring configuration	3 Phase, 3 wire/4 wire
Version A measured parameters	KWH
Version P measured parameters	KWH, KVah, Vrms, Irms, PF, Frequency
Version R measured parameters	KWH, KVah, KVarH, Vrms, Irms, PF, Frequency
Rated voltage	3 x 240/380 VAC
Safe operating voltage	140V-440V
Basic current	/1A, /5A, 10A, 15A, 20A
Maximum current	5A, 20A, 30A, 40A, 60A, 100A
Rated frequency	50Hz/60Hz
Power factor	0.5 Lag to 0.8 Lead
LED indications version A & P	Calibration active energy
LED indications version R	Calibration active & reactive energy
Starting current	0.4% of basic current
Anti-tamper features	Reverse current detection
Over current	120% of I <sub>max</sub> permanently Up to 150% of I <sub>max</sub> for short time. Accuracy not guaranteed under overload conditions
Over voltage	As per IEC specifications
Meter casing	Polycarbonate/ABS-PC
Insulation	> 4KV
Multi tariff	8 tariff registers
Battery life	5 years/10 years
RTC accuracy	< 7min/year
Terminal option	Optically isolated pulse output (SO)
Data storage	EEPROM/Flash
Communication port	Optical, IEC62056, RS232
Event logging	Tamper log, power on-off and many more
Meter reading software	<i>Metator Acroasis</i> compatible with PC and pocket PC
Operating temperature	-20 to +60 deg C
Optional Parameters	
LED indications	Power and reverse current
Profiling	Half hourly KWH
Tariff tables	Up to 13 tariff tables can be defined
Seasonal billing	Up to 12 seasons and 50 holidays and two weekend days (optional- denoted by suffix "S" e.g. MT35404AS)
Over voltage protection	Up to 440V AC applied permanently between Phase and Neutral wires
Calendars	Customized calendars upon request

## B.B.S. @ccess

Manufactured and Distributed by BBS Access Pte Ltd  
 10 Tannery Lane, BBS Building, Singapore 347773  
 Tel: (65) 6559 8500 Fax: (65) 6559 8560  
 Email: bbsaccess@bbsgroup.com.sg  
 http://www.bbs.com.sg