

SHORT DESCRIPTION

PE1 Series meter box is especially designed for smart single phase meter and smart three phase meter at the same time with MCB as optional. PE1 series meter box is made of new type of environment-friendly engineering plastic polycarbonate, which has a high insulation performance, good ventilation and rain proof. Its strong resistance against UV, aging, acid rain, salt spray allows it to be installed in severe environments. With scientific anti-tamper design, the sealed cover could prevent the meters from being touched and stolen.

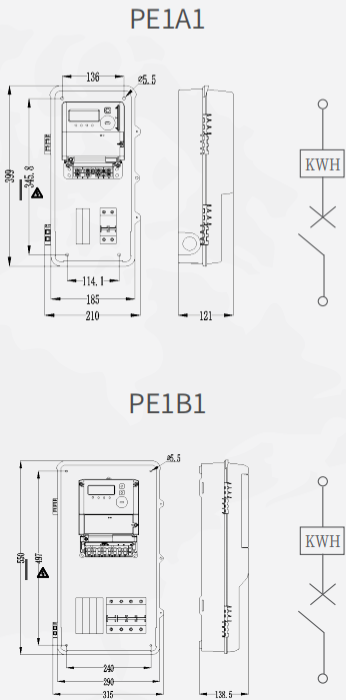


KEY FEATURES

- Transparent cover or window for easy reading without opening the door
- Compact design with light weight
- Excellent electricity insulation performance
- High protection level IP54
- Fire retardant material
- Life span up to more than 15 years
- Diversified MCB as optional
- Optional wall mounted or pole mounted
- Tamper sensor detecting illegal door open

PARAMETERS	PE1A1	PE1B1
Meter Type	Single Phase Smart Meter	Three Phase Smart Meter
Dimensions (HxWxD, mm)	400 x 210 x 121	550 x 315 x 138.5
Maximum operating temperature	85°C	
Maximum relative humidity	100%	
Maximum annual rainfall	2000mm	
Maximum altitude above mean sea level	3000m	
Water Absorption	≤ 0.1%	
Ingress protection	IP54	
Resistance to mechanical shocks	IK09	
Flammability	UL94-V0	
Self-extinguishing	SE	
Mechanical strength	Strength:64MPA Flexural strength:103MPA	
Light transmission (Transparent window)	> 88%	
Heat Deflection	≥158°C	
Heat resistant & Flame retardant (Glow Wire)	≥750°C & ≥960°C	
Installation type	Wall mounted / Pole mounted	
Installation Location	Indoor / Outdoor	

DRAWING & WIRING



MAIN ACCESSORIES

- 63A(Up to 125A) Double Pole MCB as optional
- 100A(Up to 125A) Four Pole MCB as optional
- Neutral Bar
- Water Proof Cable Gland
- Hoop

APPLICATIONS

- Residential & Commercial Smart Meter Housing
- Optional MCB compartment
- Local communication via Optical Port/RS 485
- Remote communication via PLC/RF/GPRS/3G/4G/NB-IoT