

PVI Series

PVI1300TL / PVI1800TL / PVI2300TL / PVI2700TL / PVI3000TL

| Model | PVI1300TL | PVI1800TL | PVI2300TL | PVI2700TL | PVI3000TL |
|---------------------------------------|--|--------------|--------------|--------------|--------------|
| Rated AC power | 1000 W | 1500 W | 2000 W | 2500 W | 2800 W |
| Maximum AC power | 1100 W | 1650 W | 2200 W | 2750 W | 3080 W |
| Input | | | | | |
| Maximum input power | 1300 W | 1800 W | 2300 W | 2900 W | 3200 W |
| Maximum DC voltage in an open circuit | 500 Vdc | 500 Vdc | 500 Vdc | 500 Vdc | 500 Vdc |
| MPPT operating range | 50 - 450 Vdc | 70 - 450 Vdc | 70 - 450 Vdc | 70 - 450 Vdc | 70 - 450 Vdc |
| Maximum input current | 12 Adc | 12 Adc | 12 Adc | 12 Adc | 12 Adc |
| Startup voltage | 50 Vdc | 60 Vdc | 60 Vdc | 60 Vdc | 60 Vdc |
| DC switch | optional | optional | optional | optional | optional |
| Initial feeding voltage | 60 Vdc | 90 Vdc | 90 Vdc | 90 Vdc | 90 Vdc |
| Number of inputs | 1 | 1 | 1 | 1 | 1 |
| MPPT number | 1 | 1 | 1 | 1 | 1 |
| Output | | | | | |
| Operating voltage | 230 Vac | 230 Vac | 230 Vac | 230 Vac | 230 Vac |
| Number of grid phases | 1 | 1 | 1 | 1 | 1 |
| Voltage range | 180 - 270 V | | | | |
| Frequency range | 50 Hz, 60 Hz / -5 Hz ... +5 Hz | | | | |
| Power factor | -0,8 - 0,8 controllable | | | | |
| Maximum current | 6 Aac | 8,4 Aac | 11,3 Aac | 14 Aac | 15,7 Aac |
| DC current injection | <20 mA | <20 mA | <20 mA | <20 mA | <20 mA |
| Current Harmonic Distorsion (THDi) | <1% | <1% | <1% | <1% | <1% |
| System | | | | | |
| Maximum efficiency | >97,1% | >97,1% | >97,1% | >97,1% | >97,1% |
| European efficiency | >96,5% | >96,5% | >96,5% | >96,5% | >96,5% |
| Switching plan | self-commutated, transformerless | | | | |
| Off-grid protection | Yes | Yes | Yes | Yes | Yes |
| Night power consumption | <0,2 W | <0,2 W | <0,2 W | <0,2 W | <0,2 W |
| Detecting earth leakage | Yes | Yes | Yes | Yes | Yes |
| Heat dissipation | Convection | Convection | Convection | Convection | Convection |
| Mechanical Spec. | | | | | |
| Dimensions in mm | 380 x 320 x 140 | | | | |
| Weight | 13 Kg | 13 Kg | 13 Kg | 13 Kg | 13 Kg |
| Protection class | IP65 | | | | |
| Display | LCD 2 x 16 characters | | | | |
| Function key | 1 | | | | |
| Data interface | RS232 / RS485 / Ethernet / WiFi / GPRS / USB | | | | |
| Thermal protection | Yes | | | | |
| Noise emission | <35 dB (silent operation) | | | | |
| Ambient operating temp. | -25 °C - +60 °C (>45 °C derating) | | | | |