

# SOLECTRIA® PVI 25TL-208

25 KW, 208 VAC, 1000 VDC STRING INVERTERS

## Features

- UL Listed as PV Rapid Shutdown Systems with APsmart, NEP and Tigo Energy
- NEC 2017 compliant & UL listed Arc-Fault circuit protection
- 15-90° Mounting orientation for low profile roof installs
- Optional Ethernet Network Card enables remote FW upgrades
- Integrated AC & DC disconnect switches
- 3 MPPT's with 2 inputs each for maximum flexibility
- Copper and Aluminum compatible AC connections
- NEMA Type 4X outdoor rated enclosure
- Certified to IEEE 1547-2018 and UL 1741SB
- Separable wirebox design for fast service
- Standard 10 year warranty
- Generous 1.8 DC/AC Inverter Load Ratio
- Compatible with Bifacial PV Modules



Rapid Shutdown  
Ready Wirebox

New

Yaskawa Solectria Solar's PVI 25TL-208 25kW (25kVA) three phase string inverters are designed for rooftop and carport applications



## PVI 25TL-208 DESIGN

These high performance, advanced and reliable inverters are designed specifically for the North American environment and grid.

High efficiency at 97.0% peak and 96.5% CEC, wide operating voltages, broad temperature ranges and a NEMA Type 4X enclosure enable this inverter platform to operate at high performance across many applications.

The product ships with the Rapid Shutdown Ready wirebox, fully integrated and separable with touch-safe fusing, monitoring, and AC and DC disconnect switches.

The integrated Sunspec compliant PLC transmitter in the wirebox enables PVRSS certified module-level rapid shutdown when used with APsmart, NEP, and Tigo products.

The Ethernet Network Card enables monitoring, controls and remote product upgrades.



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# SOLECTRIA® PVI 25TL-208 TECHNICAL DATA

## SPECIFICATIONS

PVI 25TL-208 Commercial Transformerless String Inverter		
DC Input	Maximum PV Power	45 kW (17 kW per MPPT)
	Maximum Input Voltage	1000 VDC
	DC Voltage Ranges: Operating / Maximum Power (MPPT)	200 - 950 VDC / 480 - 850 VDC
	Start-up DC Input Voltage / Power	330 V / 80 W
	Number of MPPT Trackers/Inputs	3 Trackers / 2 Fused-Inputs each
	Maximum Available PV Current (Isc x 1.25)	135 A (45 A per MPPT)
	DC Surge Protection	Type II MOV, 2800 V <sub>c</sub> , 20 kA <sub>ITM</sub> (8/20 μs)
AC Output	Rated AC Real Power / Apparent Power / Output Current	25 kW / 25 kVA / 69.5 A
	Nominal Output Voltage / Range	208 VAC / -12% to +10%
	Nominal Output Frequency / Range	60 Hz / 57-63 Hz
	Power Factor	Unity, > 0.99 (Adjustable 0.8 leading to 0.8 lagging)
	Fault Current Contribution (1 Cycle RMS)	64.1 A
	Total Harmonic Distortion (THD) @Rated Load	< 3%
	Grid Connection Type	3-Ph/PE/N (neutral conductor optional)
Efficiency	Maximum OCPD Device	125 A
	AC Surge Protection	Type II MOV, 1240 VC, 15 kA ITM (8/20 μs)
	Maximum Efficiency / CEC Efficiency	97.0% / 96.5%
Environment	Stand-by / Night Consumption	< 3 W
	Enclosure Protection Degree	NEMA Type 4X
	Cooling Method	Variable speed cooling fans
	Operating Temperature Range <sup>1</sup>	-22°F to +140°F / - 30°C to +60°C
	Non-Operating Temperature Range	No low temp minimum to +158°F / +70°C maximum
Display and Communication	Operating Humidity	0 to 100%
	Operating Altitude	13,123.4 ft / 4000 m (derating from 9842.5 ft / 3000 m)
	Modbus Protocol	Proprietary / SunSpec
	SolrenView Web-based Monitoring Service	Optional
	Revenue Grade Metering	Optional, external
	Communication Interface	RS-485
	Remote Firmware Upgrades	Ethernet network card required
Safety	Remote Diagnostics	Ethernet network card required
	Certifications and Standards	IEEE 1547-2018, UL 1741-SB, UL1741-SA, UL1699B, UL1998, CSA-C22.2 NO.107.1-01, FCC Part 15 (Subpart B, Class A)
	Selectable Grid Standard	IEEE 1547, CA Rule 21, ISO-NE, HECO
Warranty	Smart-Grid Features	Volt-RideThru, Freq-RideThru, Ramp-Rate, Specified-PF, Volt-VAR, Freq-Watt, Volt-Watt, Watt-VAR
	Standard Terms	10 years
Mechanical	Acoustic Noise Rating	< 60 dBA @ 1m and 25°C
	Dimensions (H x W x D)	39.4 x 23.6 x 10.24 in. (1000 x 600 x 260 mm)
	Weight	Inverter: 123.5 lbs / 56 kg; Wire-box: 33lbs / 15kg
	Mounting / Installation Angle <sup>2</sup>	15 to 90 degrees from horizontal (vertical or angled)
	AC Termination	M8 Stud Type Terminal Block (Wire range: #6 - 3/0 AWG Cu / Al, Lugs not supplied)
	DC Termination	Screw Clamp, Neg. Busbar Wire range: #14 - #6 AWG Cu

Wirebox Specifications			
Wirebox Fuse Configuration		6 Fused Positions (2 Positions per MPPT), 20A Fuses Standard (25, 30A accepted) <sup>3</sup>	
Wirebox Versions	APsmart Transmitter Built-In	Inverter Model: PVI-25TL-208WB-APS (only positive polarity fused)	MLRSD Compatibility: APsmart RSD-S and RSD-D
	NEP Transmitter Built-In	Inverter Model: PVI 25TL-208WB-NEP (only positive polarity fused)	MLRSD Compatibility: NEP PVG-2
	Tigo Transmitter Built-In	Inverter Model: PVI-25TL-208WB-TGO (only positive polarity fused)	MLRSD Compatibility: Tigo TS4-A-F (ver 6.7+) and TS4-A-2F

1) Active Power Derating begins at 45°C when PF=1 and Vmp ≥ Vmin, and at 50°C when PF=1 and Vmp ≥ 700 Vdc.

2) Shade Cover accessory required for installation angles of 75 degrees or less from horizontal.

3) Fuse values above 20A have additional spacing requirements; see the user's manual for details.

Yaskawa Solectria Solar does not supply optional fuse sizes.



IT'S PERSONAL

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# SOLECTRIA® PVI 25TL-480

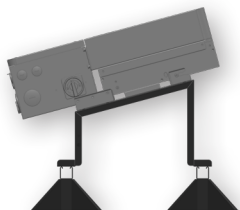
## 3-PHASE TRANSFORMERLESS COMMERCIAL STRING INVERTER

### FEATURES

- 1000 VDC
- Certified to IEEE 1547-2018 and UL 1741SB
- 2 MPPTs with 3 inputs each
- Integrated DC and AC disconnects
- AC terminals compatible with copper and aluminum conductors
- SunSpec Modbus compliant
- 15 - 90° installation orientation
- Remote diagnostics
- Built-in SunSpec compliant transmitter for Module-Level Rapid Shutdown
- UL Listed as PV Rapid Shutdown Systems with APsmart, Northern Electric Power (NEP), and Tigo Energy
- LED indicator light
- Yaskawa Connect Pro app for system visibility
- Compatible with Bifacial PV Modules

### OPTIONS

- Web-based monitoring
- Shade cover
- 15° rooftop mounting rack
- \* Rooftop Mounting Kit includes support legs for a 15° tilt angle and shade cover (not depicted)



Yaskawa Solectria Solar's PVI 25TL-480 is a state-of-the-art compact 3-phase string inverter, ideal for rooftops, carports and ground-mount PV systems.



### PVI 25TL-480 DESIGN

The PVI 25TL-480 comes standard with AC and DC disconnects, two MPPTs, and a wiring box with six fuse positions for the positive conductors (compliant with the 2017 and 2020 NEC).

For rooftop PV systems, both wirebox models provide PV Rapid Shutdown System (PVRSS) compliance and include a built-in SunSpec compliant powerline communication transmitter. One wirebox model is Tigo Enhanced for rapid shutdown and the other wirebox model is compatible with APsmart rapid shutdown devices.

Yaskawa Solectria Solar also offers its Roof-Mounting Kit, to simplify installation on rooftops. Yaskawa Solectria Solar's family of PVI 25TL-480 inverter models provides flexibility and convenience unmatched in the industry



# SOLECTRIA® PVI 25TL-480 TECHNICAL DATA

## SPECIFICATIONS

PVI 25TL-480 Commercial Transformerless String Inverter		
DC Input	Maximum PV Power	37.5 kW (22 kW per MPPT)
	Maximum Input Voltage	1000 VDC
	DC Voltage Ranges: Operating / Maximum Power (MPPT)	200 – 950 VDC / 560 – 850 VDC
	Start-up DC Input Voltage / Power	330 V / 80 W
	Number of MPPT Trackers / Inputs	2 Trackers / 3 Fused-Inputs each
	Maximum Available PV Current (Isc x 1.25)	90 A (45 A per MPPT)
AC Output	DC Surge Protection	Type II MOV, 1240 V <sub>C</sub> , 15 kA I <sub>TM</sub> (8/20 μs)
	Rated AC Real Power / Apparent Power / Output Current	25 kW / 25 kVA / 30.5 A
	Nominal Output Voltage / Range	480 VAC / -12% to +10%
	Nominal Output Frequency / Range	60 Hz / 57-63 Hz
	Power Factor	Unity, > 0.99 (Adjustable 0.8 leading to 0.8 lagging)
	Fault Current Contribution (1 Cycle RMS)	31 A
	Total Harmonic Distortion (THD) @Rated Load	< 3%
	Grid Connection Type	3-Ph/PE/N (neutral conductor optional)
	Maximum OCPD Device	50 A
Efficiency	AC Surge Protection	Type II MOV, 1025 V <sub>C</sub> , 15 kA I <sub>TM</sub> (8/20 μs)
	Peak Efficiency	98.5%
	CEC Efficiency	98.0%
	Tare Loss	< 1 W
Environment	Ambient Temperature Range	-22°F to +140°F (-30°C to +60°C); Derating occurs over +113°F (+45°C)
	Storage Temperature Range	No low temp minimum; up to +158°F (+70°C)
	Relative Humidity (non-condensing)	0-100%
	Operating Altitude	13,123 ft (4,000 m); Derating occurs from 9,842.5 ft (3,000 m)
Communications	Modbus Protocol	Proprietary / SunSpec
	SolrenView Web-Based Monitoring Service	Optional
	Revenue Grade Metering	Optional, External
	Communication Interface	LED Display, Yaskawa Connect Pro app (Bluetooth®)
	Remote Firmware Upgrades	Ethernet Network Card required
	Remote Diagnostics	Ethernet Network Card required
Safety	Certifications and Standards	IEEE 1547-2018, UL 1741-SB, UL1741-SA, UL1699B, UL1998, CSA-C22.2 NO.107.1-01, FCC Part 15 (Subpart B, Class A)
	Selectable Grid Standards	IEEE 1547, CA Rule 21, ISO-NE
	Smart Grid Features	Volt-RideThru, Freq-RideThru, Ramp-Rate, Specified-PF, Volt-VAR, Freq-Watt, Volt-Watt, Watt-VAR
Warranty	Standard Limited Warranty	10 Years
Mechanical	Acoustic Noise Rating	< 50 dBA @ 1 m at 25°C
	AC/DC Disconnect	Standard, fully-integrated
	Mounting Angle	15-90° from horizontal (angled to vertical)
	Dimensions (H x W x D)	Power Head: 15.95 in. x 15.75 in. x 7.875 in (405 mm x 400 mm x 200 mm) Wirebox: 10.24 in. x 15.75 in. x 7.875 in (260 mm x 400 mm x 200 mm)
	Weight	Power Head: 48.5 lbs (22 kg); Wirebox: 13.2 lbs (6 kg)
	Enclosure Rating and Finish	NEMA Type 4X; Polyester Powder Coated Aluminum

Wirebox Specifications			
Wirebox Fuse Configuration		6 Fused Positions (3 Positions per MPPT), 20A Fuses Standard (25, 30A accepted) **	
Wirebox Versions	APsmart Transmitter Built-In	Inverter Model: PVI-25TL-480-APS20 (only positive polarity fused)	MLRSD Compatibility: APsmart RSD-S and RSD-D
	Tigo Transmitter Built-In	Inverter Model: PVI-25TL-480-TGO20 (only positive polarity fused)	MLRSD Compatibility: Tigo TS4-A-F (ver 6.7+) and TS4-A-2F

\* Please inquire at sales@solectria.com for more information

\*\* Yaskawa Solectria Solar does not supply optional fuse sizes

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# SOLECTRIA® PVI-36TL-480-V2

## 3-PHASE TRANSFORMERLESS COMMERCIAL STRING INVERTERS

### FEATURES

- Wirebox models with built-in SunSpec compliant transmitters for Module-Level Rapid Shutdown for simple, safe NEC compliance
- UL Listed as PV Rapid Shutdown Systems with APsmart, Northern Electric Power (NEP), and Tigo Energy
- Integrated UL-listed Arc-Fault protection
- 15 - 90° mounting angle allows low-profile rooftop installations
- 3 MPPTs with 5 fused inputs each for PV array flexibility
- Industry-leading DC/AC ratio of 1.5
- Integrated AC and DC disconnects
- Remote firmware upgrades and diagnostics
- NEMA 4X outdoor rated enclosure, with proven performance
- Certified to IEEE 1547-2018 and UL 1741SB
- Compatible with Bifacial PV Modules

### OPTIONS

- Shade cover
- DC fuse bypass
- Web-based monitoring

Yaskawa Solectria Solar's PVI 36TL-480-V2 are transformerless 3-phase inverters, ideal for rooftops, carports and ground-mount PV systems.

New



The PVI-36TL-480-V2 is the new generation of 36kW transformerless inverters from Yaskawa Solectria Solar that are IEEE 1547-2018 compliant. It comes standard with AC and DC disconnects, three MPPTs, and a wiring box with 15 fuse positions.

This updated inverter is improved for rooftop PV systems. Module-Level Rapid shutdown (MLRSS) wirebox models provide PV Rapid Shutdown System (PVRSS) compliance and include a built-in SunSpec compliant powerline communication transmitter.

One wirebox model is Tigo Enhanced for rapid shutdown and the other two wirebox models are compatible with APsmart or NEP rapid shutdown devices.

Yaskawa Solectria Solar's PVI-36TL-480-V2 inverters, including standard wireboxes and the rapid-shutdown ready wirebox models, provides flexibility and convenience unmatched in the industry.

#### Standard Wirebox

- 20A fuses, both polarities
- No built-in PVRSS transmitter



#### Module-Level Rapid Shutdown Wireboxes

- 20A fuses; positive polarity only
- Built-in PVRSS transmitter
- 3 models for compatibility with APsmart, NEP and Tigo module-level rapid shutdown devices



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# PVI-36TL-480-V2 TECHNICAL DATA

## SPECIFICATIONS

Inverter Model		PVI-36TL-480-V2
DC Input	Maximum PV Power	54 kW (18 kW per MPPT)
	Maximum Input Voltage	1000 VDC
	DC Voltage Ranges: Operating/Max. Power (MPPT)	200-950 VDC / 400-840 VDC
	Start-up DC Input Voltage/Power	330 V / 80 W
	Number of MPPT Trackers/Inputs	3 Trackers / 5 Fused-inputs each
	Maximum Available PV Current (Isc x 1.25)	122.4 A (40.8 A per MPPT)
	DC Surge Protection	Type II MOV, 2800 V <sub>C</sub> , 20 kA I <sub>TM</sub> (8/20 μs)
AC Output	Rated AC Real Power/Apparent Power/Output Current	36 kW / 36 kVA / 43.5 A
	Nominal Output Voltage/Range	480 VAC / -12% to +10%
	Nominal Output Frequency/Range	60 Hz / 57-63 Hz
	Power Factor	Unity, > 0.99 (Adjustable 0.8 leading to 0.8 lagging)
	Fault Current Contribution (1 Cycle RMS)	73.2 A (1.68 PU)
	Total Harmonic Distortion (THD) @ Rated Load	< 3%
	Grid Connection Type	3-Ph/PE/N (neutral conductor optional)
Efficiency	AC Surge Protection	Type II MOV, 1500 V <sub>C</sub> , 15 kA I <sub>TM</sub> (8/20 μs)
	Peak Efficiency	98.8%
	CEC Efficiency	98.5%
Environment	Tare Loss	< 1 W
	Ambient Temperature Range	-22°F to +140°F (-30°C to +60°C)
	Storage Temperature Range	No low temp minimum to +158°F (+70°C)
	Relative Humidity (non-condensing)	0-100%
Communications	Operating Altitude	13,123.4 ft (4,000 m) Derating occurs from 9,842.5 ft (3,000 m)
	Modbus Protocol	Proprietary / SunSpec
	SolrenView Web-Based Monitoring Service	Optional
	Revenue Grade Metering	Optional, External
	Communication Interface	RS-485 Modbus RTU
	Remote Firmware Upgrades	Ethernet Network Card required
	Remote Diagnostics	Ethernet Network Card required
Safety	Certifications and Standards	UL1741-SA Ed. 2, UL1741-SB, UL1699B, CSA-C22.2 NO.107.1-01, IEEE1547a-2018; FCC PART15
	Selectable Grid Standards	IEEE 1547a-2018, CA Rule 21, ISO-NE
	Smart Grid Features	Volt-RideThru, Freq-RideThru, Ramp-Rate, Specified-PF, Volt-Var, Freq-Watt, Volt-Watt
Warranty	Standard Limited Warranty	10 Years
Mechanical	Acoustic Noise Rating	< 60 dBA @ 1 m and 25°C
	AC/DC Disconnect	Standard, fully-integrated, load break rated
	Mounting Angle*	15° - 90° from horizontal
	Weight	Inverter: 123.5 lbs (56 kg); Wiring Box: 33 lbs (15 kg)
	Enclosure Rating and Finish	NEMA Type 4X; Polyester Powder Coated Aluminum
	Dimensions (H x W x D)	Power Head: 22.7" x 23.6" x 10.24" (576 mm x 600 mm x 260 mm) Wirebox: 16.7" x 23.6" x 10.24" (424 mm x 600 mm x 260 mm) Overall: 39.4" x 23.6" x 10.24" (1000 mm x 600 mm x 260 mm)



\* Shade cover accessory required for installation of 75° or less





# SOLECTRIA®

## PVI-50TL-480 / PVI-60TL-480

### 3-PHASE TRANSFORMERLESS COMMERCIAL STRING INVERTERS

#### FEATURES

- Wirebox models with built-in SunSpec compliant transmitters for Module-Level Rapid Shutdown for simple, safe NEC compliance
- UL Listed as PV Rapid Shutdown Systems with APsmart, Northern Electric Power (NEP), and Tigo Energy
- Dual rated listing allows selection of either 50/60 kVA (factory default) or 55/66 kVA (allowing full rated power down to  $\pm 0.91$  PF)
- Integrated UL-listed Arc-Fault protection
- 15 - 90° mounting angle allows low-profile rooftop installations
- 3 MPPTs with 5 fused inputs each for PV array flexibility
- Industry-leading DC/AC ratios of 1.8 (50TL) and 1.5 (60TL)
- Integrated AC and DC disconnects
- Remote firmware upgrades and diagnostics
- NEMA 4X outdoor rated enclosure, with proven performance
- Certified to IEEE 1547-2018 and UL 1741SB
- Compatible with Bifacial PV Modules

#### OPTIONS

- Shade cover
- DC fuse bypass
- Web-based monitoring

Yaskawa Solectria Solar's PVI 50TL-480 and PVI 60TL-480 are transformerless 3-phase inverters, ideal for rooftops, carports and ground-mount PV systems



The PVI-50TL-480 and PVI-60TL-480 come standard with AC and DC disconnects, three MPPTs, and a wiring box with 15 fuse positions.

For rooftop PV systems, both Module-Level Rapid shutdown (MLRSD) wirebox models provide PV Rapid Shutdown System (PVRSS) compliance and include a built-in SunSpec compliant powerline communication transmitter.

One wirebox model is Tigo Enhanced for rapid shutdown and the other two wirebox models are compatible with APsmart or NEP rapid shutdown devices.

Yaskawa Solectria Solar's family of PVI-50/60TL-480 inverters, including standard wireboxes and the rapid-shutdown ready wirebox models, provides flexibility and convenience unmatched in the industry.

#### Standard Wirebox

- 20A fuses, both polarities
- No built-in PVRSS transmitter



#### Module-Level Rapid Shutdown Wireboxes

- 20A fuses; positive polarity only
- Built-in PVRSS transmitter
- 3 models for compatibility with APsmart, NEP and Tigo module-level rapid shutdown devices



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# PVI 50TL-480 / PVI 60TL-480 TECHNICAL DATA

## SPECIFICATIONS

Inverter Model		PVI-50TL-480	PVI-60TL-480
DC Input	Maximum PV Power	90 kW (33 kW per MPPT)	90 kW (33 kW per MPPT)
	Maximum Input Voltage	1000 VDC	1000 VDC
	Dc Voltage Ranges: Operating/Max. Power (MPPT)	200-950 VDC / 480-850 VDC	200-950 VDC / 540-850 VDC
	Start-up DC Input Voltage/Power	330 V / 80 W	330 V / 80 W
	Number of MPPT Trackers/Inputs	3 Trackers / 5 Fused-inputs each	3 Trackers / 5 Fused-inputs each
	Maximum Available PV Current (Isc x 1.25)	204 A (68 A per MPPT)	204 A (68 A per MPPT)
	Maximum Operating Input Current (clipping point)	108 A (36 A per MPPT)	114 A (38 A per MPPT)
AC Output	DC Surge Protections	Type II MOV, 2800 V <sub>C</sub> , 20 kA I <sub>TM</sub> (8/20 μs)	
	Rated AC Real Power/Apparent Power/Output Current	50 kW / 50 kVA / 60.2 A	60 kW 60kVA / 72.2 A
	Overhead Mode: Real Power/Apparent Power/Output Current	50 kW / 55 kVA / 66.2 A	60 kW / 66 kVA / 79.4 A
	Nominal Output Voltage/Range	480 VAC / -12% to +10%	480 VAC / -12% to +10%
	Nominal Output Frequency/Range	60 Hz / 57-63 Hz	60 Hz / 57-63 Hz
	Power Factor	Unity, >0.99 (Adjustable 0.8 leading to 0.8 lagging)	Unity, >0.99 (Adjustable 0.8 leading to 0.8 lagging)
	Fault Current Contribution (1 Cycle RMS)	64.1 A	64.1 A
	Total Harmonic Distortion (THD) @ Rated Load	< 3%	< 3%
	Grid Connection Type	3-Ph/PE/N (neutral conductor optional)	3-Ph/PE/N (neutral conductor optional)
	Maximum OCPD Device	110 A	125 A
Efficiency	AC Surge Protection	Type II MOV, 1240 V <sub>C</sub> , 15 kA I <sub>TM</sub> (8/20 μs)	
	Peak Efficiency	98.8%	98.8%
	CEC Efficiency	98.5%	98.5%
	Tare Loss	< 1 W	< 1 W
Environment	Ambient Temperature Range	-22°F to +140°F (-30°C to +60°C); Derating occurs over +113°F (+45°C)	
	Storage Temperature Range	No low temp minimum to +158°F (+70°C)	
	Relative Humidity (non-condensing)	0-100%	
	Operating Altitude	13,123 ft (4,000 m) Derating occurs from 9,842.5 ft (3,000 m)	
Communications	Modbus Protocol	Proprietary / SunSpec	
	SolrenView Web-Based Monitoring Service	Optional	
	Revenue Grade Metering	Optional, External	
	Communication Interface	RS-485 Modbus RTU	
	Remote Firmware Upgrades	Ethernet Network Card required	
	Remote Diagnostics	Ethernet Network Card required	
Safety	Certifications and Standards	IEEE 1547-2018, UL 1741-SB, UL 1741SA-2016, UL1699B, UL1998, CSA-C22.2 No. 107.1-01, FCC Part 15 (Subpart B, Class A)	
	Selectable Grid Standards	IEEE 1547, CA Rule 21, ISO-NE, HECO	
	Smart Grid Features	Volt-RideThru, Freq-RideThru, Ramp-Rate, Specified-PF, Volt-VAR, Freq-Watt, Volt-Watt, Watt-VAR	
Warranty	Standard Limited Warranty	10 Years	
Mechanical	Acoustic Noise Rating	< 60 dBA @ 1 m and 25°C	
	AC/DC Disconnect	Standard, fully-integrated, load break rated	
	Mounting Angle*	15° - 90° from horizontal	
	Weight	Inverter: 123.5 lbs (56 kg); Wiring Box: 33 lbs (15 kg)	
	Enclosure Rating and Finish	NEMA Type 4X; Polyester Powder Coated Aluminum	
	Dimensions (H x W x D)	Power Head: 22.7" x 23.6" x 10.24" (576 mm x 600 mm x 260 mm) Wirebox: 16.7" x 23.6" x 10.24" (424 mm x 600 mm x 260 mm) Overall: 39.4" x 23.6" x 10.24" (1000 mm x 600 mm x 260 mm)	

Wirebox Specifications			
Wirebox	Fused Inputs	15 Fused Positions (5 Positions per MPPT) 20 A Standard (25, 30 A accepted)**	
Wirebox Versions	Standard	PVI-50-60TL-BX-S20 (both polarities fused), No MLRSD transmitter needed	
	APsmart Transmitter Built-in	PVI-50-60TL-WB-APS (only positive polarity fused)	MLRSD compatibility: APsmart RSD-S and RSD-D
	NEP Transmitter Built-In	PVI-50-60TL-WB-NEP (only positive polarity fused)	MLRSD compatibility: NEP PVG-2
	Tigo Transmitter Built-in	PVI-50-60TL-WB-TGO (only positive polarity fused)	MLRSD compatibility: Tigo TS4-A-F (ver 6.7+) and TS4-A-2F



\* Shade cover accessory required for installation of 75° or less  
 \*\* Yaskawa Solectria Solar does not supply optional fuses sizes



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